



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-15003  
[TESTLAB] LSI INDUSTRIES, INC.  
[TESTDATE] 08/22/24  
[ISSUE DATE] 09/23/24  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] VALS-27L-RC-30K8-IS  
[ ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[TEST PROCEDURE] IESNA LM-79-19  
[ FACTORED] SCALED FROM ORIGINAL TEST DATA  
[ SEARCH\_SOURCETYPE] LED  
[ SEARCH\_APPLICATION] Outdoor  
[ SEARCH\_COLORTEMP] 3000

**CHARACTERISTICS**

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11072
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	178
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15631
Maximum Candela Angle	315H 75V
Maximum Candela (<90 Degrees Vertical)	15631
Maximum Candela Angle (<90 Degrees Vertical)	315H 75V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10698 (96.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	500.1	N.A.	4.5
FM - Front-Medium (30-60)	3798.2	N.A.	34.3
FH - Front-High (60-80)	5518.5	N.A.	49.8
FVH - Front-Very High (80-90)	539.5	N.A.	4.9
BL - Back-Low (0-30)	99.2	N.A.	0.9
BM - Back-Medium (30-60)	332.0	N.A.	3.0
BH - Back-High (60-80)	273.0	N.A.	2.5
BVH - Back-Very High (80-90)	11.8	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	11072.3	N.A.	100.0
BUG Rating	B1-U0-G4		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>0.0</b>	<b>2.5</b>	<b>5.0</b>	<b>7.5</b>	<b>10.0</b>	<b>12.5</b>	<b>15.0</b>	<b>17.5</b>	<b>20.0</b>	<b>22.5</b>
<b>0.0</b>	163	163	163	163	163	163	163	163	163	163
<b>2.5</b>	200	199	198	197	196	195	194	193	192	191
<b>5.0</b>	365	349	333	318	303	288	273	262	249	238
<b>7.5</b>	594	571	549	521	493	464	436	405	374	343
<b>10.0</b>	767	752	736	705	675	644	613	567	521	474
<b>12.5</b>	957	927	896	859	823	786	749	697	646	593
<b>15.0</b>	1165	1123	1081	1031	980	930	879	818	758	697
<b>17.5</b>	1335	1297	1258	1195	1131	1066	1002	928	854	780
<b>20.0</b>	1525	1468	1410	1337	1265	1193	1120	1024	928	831
<b>22.5</b>	1759	1669	1579	1480	1381	1281	1182	1067	950	835
<b>25.0</b>	2034	1907	1780	1636	1494	1350	1207	1070	935	798
<b>27.5</b>	2323	2161	2000	1803	1606	1409	1212	1053	893	734
<b>30.0</b>	2619	2419	2218	1964	1710	1455	1201	1019	838	657
<b>32.5</b>	2922	2680	2437	2126	1814	1502	1190	989	788	585
<b>35.0</b>	3228	2944	2659	2289	1920	1550	1181	961	740	521
<b>37.5</b>	3549	3221	2894	2463	2033	1601	1171	940	709	477
<b>40.0</b>	3887	3515	3142	2647	2152	1656	1160	923	686	448
<b>42.5</b>	4249	3844	3439	2864	2290	1715	1140	903	666	428
<b>45.0</b>	4649	4196	3743	3088	2433	1778	1123	887	652	416
<b>47.5</b>	5137	4612	4086	3346	2606	1867	1126	889	651	414
<b>50.0</b>	5616	5039	4462	3635	2808	1980	1153	911	669	426
<b>52.5</b>	6142	5517	4891	3964	3037	2111	1184	940	695	451
<b>55.0</b>	6887	6184	5482	4414	3346	2278	1210	964	718	472
<b>57.5</b>	7960	7107	6253	4986	3721	2455	1188	949	710	471
<b>60.0</b>	9465	8360	7255	5707	4159	2611	1063	854	645	435
<b>62.5</b>	10859	9404	7948	6169	4391	2612	834	678	522	367
<b>65.0</b>	11805	10020	8234	6331	4428	2526	622	515	406	298
<b>67.5</b>	11952	9880	7808	5957	4106	2255	404	341	278	215
<b>70.0</b>	9785	7718	5650	4307	2964	1622	278	239	200	161
<b>72.5</b>	5929	4496	3063	2362	1661	959	258	220	182	144
<b>75.0</b>	3168	2357	1545	1210	875	540	205	176	147	117
<b>77.5</b>	1418	1094	770	604	438	271	105	98	90	83
<b>80.0</b>	592	480	367	294	221	148	75	72	69	66
<b>82.5</b>	263	208	154	130	108	84	60	59	58	56
<b>85.0</b>	136	106	75	67	58	49	40	39	38	37
<b>87.5</b>	39	35	31	30	29	28	27	26	26	25
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>92.5</b>	0	0	0	0	0	0	0	0	0	0
<b>95.0</b>	0	0	0	0	0	0	0	0	0	0
<b>97.5</b>	0	0	0	0	0	0	0	0	0	0
<b>100.0</b>	0	0	0	0	0	0	0	0	0	0
<b>102.5</b>	0	0	0	0	0	0	0	0	0	0
<b>105.0</b>	0	0	0	0	0	0	0	0	0	0
<b>107.5</b>	0	0	0	0	0	0	0	0	0	0
<b>110.0</b>	0	0	0	0	0	0	0	0	0	0
<b>112.5</b>	0	0	0	0	0	0	0	0	0	0
<b>115.0</b>	0	0	0	0	0	0	0	0	0	0
<b>117.5</b>	0	0	0	0	0	0	0	0	0	0
<b>120.0</b>	0	0	0	0	0	0	0	0	0	0
<b>122.5</b>	0	0	0	0	0	0	0	0	0	0
<b>125.0</b>	0	0	0	0	0	0	0	0	0	0
<b>127.5</b>	0	0	0	0	0	0	0	0	0	0
<b>130.0</b>	0	0	0	0	0	0	0	0	0	0

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**CANDELA TABULATION - (Cont.)**

132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	189	187	186	183	181	179	178	176	174	173
5.0	226	217	207	199	189	186	182	178	174	172
7.5	312	285	260	234	207	199	191	182	173	172
10.0	428	381	333	285	238	221	206	189	172	170
12.5	542	476	411	346	280	253	226	198	171	167
15.0	635	557	480	402	324	284	245	206	166	163
17.5	705	619	533	446	360	311	261	212	162	158
20.0	735	645	554	464	373	319	265	211	157	152
22.5	718	627	536	444	352	302	252	202	152	148
25.0	662	571	481	390	300	263	226	188	151	145
27.5	575	492	408	325	241	218	195	172	149	144
30.0	476	407	337	268	198	185	172	159	146	140
32.5	384	333	284	233	182	171	160	149	137	132
35.0	300	267	235	201	168	158	149	139	130	124
37.5	246	223	201	179	156	148	140	132	124	119
40.0	211	196	181	165	151	144	137	130	123	117
42.5	191	180	171	160	150	144	137	130	124	117
45.0	180	172	165	157	149	143	137	130	123	116
47.5	176	170	163	157	150	143	136	129	122	115
50.0	184	175	167	158	150	143	136	128	121	114
52.5	206	193	179	165	152	144	137	128	120	114
55.0	226	208	192	174	157	147	138	129	119	113
57.5	231	214	197	180	163	152	142	130	120	114
60.0	226	212	198	184	170	157	144	130	117	112
62.5	211	200	188	176	165	151	138	124	111	107
65.0	190	180	172	162	152	141	129	117	105	102
67.5	152	148	144	139	135	126	117	109	100	97
70.0	122	122	121	121	120	114	108	102	95	94
72.5	105	105	104	104	103	101	98	95	92	89
75.0	88	89	90	90	91	91	91	90	90	87
77.5	75	77	79	80	81	80	77	75	73	67

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**CANDELA TABULATION - (Cont.)**

80.0	62	62	63	63	63	57	51	45	39	38
82.5	54	51	46	43	39	37	35	32	31	30
85.0	35	33	32	31	29	27	26	25	23	22
87.5	25	24	23	22	21	20	19	18	17	16
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	172	171	170	168	167	165	164	163	162	161
5.0	171	169	167	165	165	163	161	160	158	158
7.5	169	167	165	163	161	159	158	156	155	153
10.0	167	164	161	159	157	155	152	151	149	146
12.5	164	160	157	154	151	149	146	144	142	139
15.0	159	155	151	149	145	143	139	137	134	131
17.5	154	150	145	142	139	136	132	130	128	125
20.0	148	144	139	136	132	129	125	123	121	118
22.5	144	139	135	131	128	123	120	117	114	111
25.0	141	136	130	127	123	119	115	111	108	103

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**CANDELA TABULATION - (Cont.)**

27.5	137	132	126	122	118	114	109	105	101	96
30.0	135	129	123	117	113	108	102	98	94	89
32.5	127	121	116	110	106	101	95	92	88	84
35.0	120	115	109	104	100	95	89	87	83	81
37.5	115	109	104	100	95	90	85	82	80	76
40.0	111	105	99	95	90	85	81	79	76	74
42.5	110	103	96	92	88	82	78	76	74	72
45.0	109	102	95	90	85	81	75	74	72	70
47.5	108	101	94	89	85	80	75	74	71	69
50.0	108	101	94	89	85	81	76	74	71	68
52.5	108	101	95	90	86	81	77	74	71	67
55.0	108	102	95	91	87	81	77	74	70	67
57.5	108	102	95	91	87	82	78	74	70	66
60.0	107	101	95	91	87	82	78	74	68	64
62.5	103	99	95	90	86	81	77	72	67	61
65.0	99	96	93	88	83	79	74	68	63	57
67.5	95	93	90	84	78	72	66	61	56	52
70.0	92	89	88	81	73	66	58	53	49	44
72.5	88	85	82	74	66	58	49	46	41	38
75.0	84	81	77	68	60	50	41	39	35	32
77.5	60	53	47	45	42	39	36	33	31	28
80.0	38	37	36	34	33	32	30	28	25	24
82.5	30	29	28	26	25	24	22	20	19	18
85.0	21	20	19	18	18	18	17	16	15	13
87.5	15	14	13	13	12	12	11	11	11	11
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0

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**CANDELA TABULATION - (Cont.)**

167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0
<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>75.0</b>	<b>77.5</b>	<b>80.0</b>	<b>82.5</b>	<b>85.0</b>	<b>87.5</b>	<b>90.0</b>	<b>92.5</b>	<b>95.0</b>	<b>97.5</b>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	160	159	159	158	158	157	155	154	152	151
5.0	156	155	154	153	152	151	150	148	146	145
7.5	151	151	149	148	146	144	143	141	139	138
10.0	144	143	141	139	137	137	135	133	131	130
12.5	137	135	133	131	130	128	126	125	123	122
15.0	129	127	125	123	122	120	117	116	114	112
17.5	123	120	118	116	113	110	108	106	103	102
20.0	116	113	109	107	103	101	98	95	93	91
22.5	108	104	102	98	95	92	89	88	85	83
25.0	100	96	94	90	87	85	83	81	79	78
27.5	92	89	87	84	81	80	78	77	75	74
30.0	85	83	81	79	77	76	74	74	73	72
32.5	81	79	77	75	74	73	71	70	69	68
35.0	77	75	74	72	70	69	67	67	66	64
37.5	74	73	71	70	68	67	65	63	61	60
40.0	72	70	69	67	66	64	62	60	58	56
42.5	70	68	67	65	63	61	60	58	55	53
45.0	68	67	65	63	61	60	57	54	52	49
47.5	67	65	63	60	59	56	53	51	47	45
50.0	66	63	60	58	55	53	50	47	45	42
52.5	64	61	59	55	53	50	47	45	42	39
55.0	63	60	57	53	50	48	46	43	39	37
57.5	61	58	54	51	47	45	42	39	37	34
60.0	59	55	51	47	43	40	37	35	32	31
62.5	56	52	47	42	38	35	32	29	26	25
65.0	52	47	42	38	32	30	26	25	22	20
67.5	46	41	37	32	26	24	21	19	17	15
70.0	39	35	31	25	21	18	16	14	12	11
72.5	33	29	25	21	17	15	12	11	10	9
75.0	29	25	22	18	15	13	11	10	8	7
77.5	25	23	19	17	13	11	10	9	8	7
80.0	21	18	17	14	11	11	10	10	10	10
82.5	16	15	13	12	11	10	9	9	9	9
85.0	12	11	11	11	10	10	10	10	10	10
87.5	11	11	11	10	10	11	11	11	11	11
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	151	149	148	148	147	147	146	146	146	146
5.0	144	143	142	141	141	140	139	139	139	139
7.5	137	136	135	134	134	133	132	132	132	131
10.0	130	128	127	126	125	124	123	123	123	123
12.5	121	119	117	116	115	114	112	112	111	111
15.0	110	108	106	105	103	102	101	101	101	100
17.5	100	97	95	95	93	92	90	90	91	91
20.0	89	88	86	85	84	83	82	83	83	84
22.5	82	81	79	78	78	77	76	77	78	78
25.0	77	75	74	74	73	72	71	72	72	73
27.5	74	72	71	70	69	68	67	67	67	67
30.0	71	69	68	67	67	65	64	63	62	60
32.5	67	66	65	64	62	61	60	59	57	56
35.0	63	61	60	58	57	55	53	53	52	50
37.5	59	57	55	53	52	49	47	46	46	45
40.0	54	52	50	48	46	44	42	41	41	40
42.5	51	48	46	44	42	39	38	37	37	36
45.0	46	44	41	39	38	36	34	33	32	32
47.5	43	40	38	36	34	32	31	30	29	28
50.0	40	38	35	33	32	29	27	26	25	25
52.5	38	35	32	31	29	27	25	25	24	23
55.0	35	32	30	28	26	25	23	22	21	20
57.5	32	30	27	25	24	22	20	19	18	18
60.0	28	26	24	22	20	18	17	16	16	15



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

62.5	23	20	18	17	16	14	12	11	11	11
65.0	18	16	14	12	11	10	8	7	7	6
67.5	13	11	10	9	7	6	4	4	4	3
70.0	10	9	7	6	4	4	2	2	1	1
72.5	7	6	4	4	3	1	0	0	0	0
75.0	6	5	4	4	3	1	0	0	0	0
77.5	6	5	4	4	4	3	2	2	1	1
80.0	10	10	10	10	10	9	9	10	10	11
82.5	9	8	8	8	8	7	7	7	7	6
85.0	10	10	10	10	10	9	9	9	9	8
87.5	11	11	11	11	11	11	10	10	10	9
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

**Vert. Angles**      **Horizontal Angles**

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
<b>0.0</b>	163	163	163	163	163	163	163	163	163	163
<b>2.5</b>	146	147	147	148	148	148	149	149	149	149
<b>5.0</b>	139	140	140	141	141	142	142	143	143	143
<b>7.5</b>	131	131	132	132	132	132	133	133	133	134

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

10.0	122	122	122	121	121	122	123	123	123	124
12.5	110	110	110	109	109	110	110	111	111	112
15.0	100	100	100	100	100	101	101	102	102	102
17.5	91	91	92	92	92	92	93	93	93	93
20.0	84	85	86	87	88	88	88	88	88	88
22.5	79	80	81	81	81	81	81	81	81	81
25.0	73	74	74	74	74	74	75	75	75	75
27.5	66	66	67	67	67	67	67	68	68	69
30.0	60	60	59	59	58	59	60	60	61	63
32.5	54	53	53	53	52	53	54	55	56	58
35.0	49	49	49	48	48	49	50	51	52	53
37.5	44	44	44	44	44	45	46	46	46	48
40.0	39	39	40	40	40	41	41	42	42	44
42.5	35	35	35	35	35	36	37	37	38	39
45.0	31	31	32	32	32	32	33	33	34	36
47.5	27	27	27	27	27	28	29	30	31	32
50.0	24	24	24	24	24	25	25	26	27	29
52.5	22	22	22	22	22	23	24	25	25	27
55.0	19	19	20	20	20	21	22	23	24	25
57.5	17	17	18	18	18	18	19	20	21	23
60.0	14	14	14	14	14	15	17	18	18	19
62.5	10	10	10	10	10	11	11	12	13	14
65.0	5	5	5	5	5	6	6	7	7	8
67.5	2	2	2	2	2	3	3	4	4	4
70.0	0	0	0	0	0	0	0	0	0	1
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	11	11	11	11	11	11	11	11	11	10
82.5	6	6	6	6	6	6	6	5	5	4
85.0	8	8	8	7	7	7	6	6	5	4
87.5	9	9	9	8	8	7	7	6	5	4
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	150	150	150	150	151	151	151	151	151	151
5.0	144	144	144	144	145	145	146	147	148	148
7.5	135	136	137	137	138	139	140	141	142	142
10.0	125	125	126	127	129	130	130	131	132	133
12.5	114	115	116	116	117	118	119	121	123	123
15.0	103	103	104	105	106	107	108	109	111	112
17.5	94	94	94	95	95	95	96	98	100	101
20.0	87	87	86	86	87	87	87	88	89	90
22.5	81	81	80	80	80	80	80	81	81	82
25.0	75	74	74	74	74	74	74	75	76	76
27.5	69	70	70	70	71	71	71	72	73	73
30.0	64	66	67	67	67	68	68	69	69	70
32.5	60	61	63	64	65	65	66	67	67	67
35.0	55	56	58	60	60	62	63	64	65	65
37.5	50	51	53	54	56	57	59	60	61	62
40.0	45	46	47	49	51	53	54	56	57	59
42.5	40	42	43	45	47	49	51	53	53	55
45.0	37	39	39	41	43	44	46	47	49	51
47.5	33	35	36	38	39	40	42	44	46	47
50.0	30	32	32	34	36	37	39	40	42	44
52.5	28	30	31	32	33	35	36	38	39	41
55.0	26	28	29	31	32	33	34	36	38	39
57.5	24	25	26	28	29	31	32	33	35	37
60.0	21	22	23	25	26	27	29	31	32	33
62.5	16	17	18	19	21	22	24	25	26	28
65.0	10	11	11	12	14	15	16	18	19	20
67.5	4	5	5	6	7	8	9	10	11	11
70.0	1	2	2	3	3	4	4	4	5	5
72.5	0	0	0	0	0	0	0	1	1	2
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	8	7	5	4	4	4	3	3	2	2
82.5	4	4	3	2	2	1	0	0	0	0
85.0	4	4	3	2	2	1	0	0	0	0
87.5	4	4	3	2	2	1	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	151	152	152	152	151	151	151	151	151	151
5.0	149	150	150	150	150	150	151	151	151	151
7.5	143	144	144	144	144	145	145	146	146	147
10.0	134	136	137	137	137	138	139	140	141	142
12.5	125	127	128	129	129	130	130	131	132	133
15.0	114	116	117	118	119	121	122	123	124	125
17.5	102	105	107	109	109	111	113	115	116	118
20.0	91	94	95	97	98	101	103	105	108	109
22.5	83	84	85	87	88	91	94	96	99	102
25.0	77	79	80	81	81	84	86	88	90	94
27.5	74	74	75	76	77	79	81	81	83	87
30.0	70	71	72	73	74	74	76	77	78	81
32.5	68	69	69	70	71	72	73	73	74	75
35.0	66	67	67	67	68	69	70	70	71	73
37.5	63	64	65	66	66	67	67	67	68	69
40.0	60	61	62	63	63	64	65	65	66	67
42.5	56	58	59	60	61	62	63	63	64	65

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

45.0	53	54	55	57	58	59	60	60	61	62
47.5	49	51	52	53	54	55	57	58	59	60
50.0	46	47	49	50	51	53	54	55	57	58
52.5	43	45	46	48	49	51	53	53	55	57
55.0	41	43	45	46	46	48	50	52	53	55
57.5	39	40	41	43	44	46	48	50	52	54
60.0	35	37	38	39	40	42	45	46	48	52
62.5	29	31	32	34	35	38	39	42	44	49
65.0	22	24	25	27	28	31	33	36	39	44
67.5	12	14	15	17	18	22	25	29	32	39
70.0	6	7	8	10	11	15	19	23	26	33
72.5	2	3	3	4	6	11	15	18	23	30
75.0	0	0	0	2	4	8	11	16	19	26
77.5	0	0	0	1	1	4	7	11	13	20
80.0	1	1	0	1	1	3	4	6	8	13
82.5	0	0	0	0	0	1	3	4	4	8
85.0	0	0	0	0	0	0	0	0	0	3
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	151	151	151	151	151	151	151	151	151	151
5.0	151	151	151	151	151	151	151	151	151	151
7.5	147	148	148	148	149	149	149	150	151	151
10.0	143	143	144	144	144	145	145	146	147	148
12.5	135	136	137	137	139	140	141	143	144	145
15.0	127	128	129	130	132	133	135	137	138	140
17.5	119	121	122	123	125	127	129	131	133	136
20.0	111	112	114	116	118	121	123	125	128	130
22.5	103	106	108	110	112	115	116	120	123	126
25.0	96	100	102	105	108	109	112	116	120	124
27.5	89	93	95	99	102	105	108	113	117	123
30.0	83	86	88	92	95	99	102	109	115	120
32.5	78	80	81	85	88	92	95	102	109	116
35.0	74	75	76	80	82	86	88	95	101	107
37.5	70	71	72	74	78	81	83	88	95	100
40.0	67	67	68	71	74	75	78	83	88	93
42.5	65	66	66	67	70	72	74	79	84	88
45.0	62	63	63	65	67	68	70	74	80	84
47.5	60	60	61	63	64	66	67	71	76	81
50.0	59	60	60	62	63	65	66	70	74	78
52.5	58	60	60	62	64	65	67	70	73	76
55.0	58	60	61	63	65	66	67	70	73	75
57.5	57	60	62	64	66	67	68	71	74	75
60.0	56	60	63	65	67	68	70	73	74	77
62.5	53	59	63	66	68	70	73	74	76	78
65.0	50	55	60	64	67	71	74	76	78	79
67.5	45	50	56	61	66	71	75	77	78	80
70.0	40	46	53	59	65	70	75	77	78	80
72.5	38	45	52	58	63	69	74	75	77	78
75.0	34	41	48	53	56	60	64	67	70	73
77.5	26	33	39	42	45	46	49	52	55	58
80.0	18	23	27	29	31	32	33	35	37	38
82.5	11	14	18	18	20	21	22	23	23	24
85.0	4	7	9	10	10	11	11	11	12	13
87.5	0	0	0	1	1	2	2	3	3	4
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	151	151	151	151	151	151	151	151	151	152
5.0	151	152	153	154	155	159	164	168	172	183
7.5	151	154	156	158	160	176	192	207	223	254
10.0	149	154	159	164	169	203	237	270	305	354
12.5	146	155	164	172	181	235	291	345	399	462
15.0	142	155	169	182	195	270	346	421	496	569
17.5	137	156	174	193	211	302	394	485	576	661
20.0	133	155	177	199	221	319	417	514	612	711
22.5	130	152	174	197	219	313	409	503	598	720
25.0	128	146	165	184	202	287	373	458	543	680
27.5	127	140	153	165	179	249	318	388	457	606
30.0	126	135	144	153	162	210	258	305	354	513
32.5	122	130	138	146	154	180	207	234	260	425
35.0	113	122	130	138	147	159	172	184	196	358
37.5	105	113	120	128	135	141	147	153	159	309
40.0	98	104	110	116	123	128	133	137	143	277
42.5	94	99	105	110	116	121	126	131	137	257
45.0	88	95	101	106	112	117	123	127	132	248
47.5	85	91	97	102	109	115	120	126	131	244
50.0	81	88	94	99	105	114	123	130	139	247
52.5	79	85	91	97	103	115	126	137	148	249
55.0	78	84	90	96	102	114	126	137	149	238
57.5	78	85	91	98	104	116	129	141	153	225
60.0	79	86	94	101	108	120	132	144	156	205
62.5	80	88	95	102	109	120	130	140	150	184
65.0	81	86	92	97	102	111	120	129	137	166
67.5	81	84	88	91	95	101	108	114	120	151
70.0	81	83	86	88	90	95	101	105	110	141
72.5	79	80	81	82	83	87	91	95	98	126
75.0	75	75	75	75	75	77	80	81	83	95
77.5	60	62	64	66	67	67	67	66	65	68

**IES ROAD REPORT**  
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**CANDELA TABULATION - (Cont.)**

80.0	39	43	46	49	53	52	51	50	49	53
82.5	24	25	27	29	31	32	34	36	38	40
85.0	14	15	16	17	18	20	23	25	28	29
87.5	4	4	5	6	7	11	14	17	20	18
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	153	153	154	155	157	158	158	164	165	168
5.0	193	203	213	227	241	255	269	296	311	331
7.5	284	314	344	375	405	436	466	507	532	557
10.0	403	452	501	539	576	613	650	690	716	741
12.5	525	587	650	694	738	781	824	848	873	898
15.0	641	714	787	832	878	922	968	995	1030	1065
17.5	746	830	914	968	1020	1074	1126	1156	1181	1209
20.0	809	907	1006	1067	1127	1188	1248	1284	1325	1370
22.5	843	964	1087	1160	1232	1305	1377	1436	1523	1575
25.0	818	956	1093	1202	1309	1418	1525	1622	1751	1832



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

27.5	754	903	1052	1213	1374	1534	1695	1837	2001	2140
30.0	673	832	991	1212	1433	1653	1874	2056	2269	2441
32.5	591	755	921	1205	1489	1774	2058	2319	2556	2761
35.0	520	681	843	1195	1546	1897	2249	2568	2855	3093
37.5	458	607	756	1179	1601	2024	2447	2832	3170	3437
40.0	410	543	677	1170	1662	2154	2646	3104	3496	3799
42.5	379	500	620	1178	1734	2292	2848	3388	3842	4182
45.0	363	478	593	1217	1840	2464	3087	3686	4204	4582
47.5	357	470	583	1265	1946	2628	3310	3990	4577	4987
50.0	355	463	571	1310	2049	2788	3527	4308	4962	5392
52.5	348	449	549	1346	2143	2940	3738	4635	5409	5804
55.0	327	417	506	1376	2246	3114	3984	5014	5907	6304
57.5	297	368	439	1404	2368	3332	4296	5569	6604	7146
60.0	254	303	352	1425	2497	3570	4642	6205	7525	8186
62.5	218	251	285	1426	2567	3708	4848	6666	8263	9087
65.0	195	224	253	1412	2569	3728	4886	6895	8807	9936
67.5	184	215	247	1486	2725	3963	5202	7732	10347	12065
70.0	172	203	234	1221	2209	3196	4183	6943	9982	12247
72.5	154	182	210	773	1336	1899	2462	4758	7430	9784
75.0	107	118	130	406	683	959	1236	2633	4231	6337
77.5	72	75	79	221	364	507	649	1227	1955	2794
80.0	56	59	62	154	247	339	431	698	1059	1482
82.5	43	45	47	119	192	263	335	424	573	720
85.0	30	31	32	71	109	149	187	135	182	239
87.5	16	14	11	19	28	36	44	48	68	92
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	167	169	170	172	172	177	181	185	189	190
5.0	337	350	362	375	388	403	417	432	447	452
7.5	571	587	604	620	635	648	662	675	688	693
10.0	755	771	787	802	817	830	841	853	865	871
12.5	914	939	963	989	1014	1025	1035	1047	1057	1064
15.0	1089	1111	1132	1154	1176	1188	1201	1213	1225	1237
17.5	1231	1266	1300	1335	1370	1393	1417	1441	1465	1485
20.0	1432	1483	1535	1587	1639	1678	1716	1755	1794	1820
22.5	1673	1750	1827	1904	1981	2034	2085	2138	2190	2230
25.0	1964	2063	2162	2262	2362	2423	2484	2545	2606	2647
27.5	2274	2393	2512	2631	2750	2816	2881	2946	3012	3053
30.0	2604	2736	2866	2997	3128	3197	3264	3332	3401	3448
32.5	2951	3090	3229	3368	3507	3581	3654	3729	3802	3854
35.0	3303	3454	3605	3757	3908	3996	4083	4171	4258	4302
37.5	3667	3829	3992	4155	4318	4412	4506	4600	4695	4739
40.0	4046	4222	4398	4574	4750	4850	4950	5050	5150	5191
42.5	4446	4643	4839	5036	5233	5323	5413	5503	5592	5633
45.0	4862	5064	5265	5468	5670	5757	5844	5931	6019	6056
47.5	5317	5506	5694	5883	6072	6150	6227	6305	6382	6411
50.0	5723	5897	6071	6245	6419	6476	6532	6589	6646	6687
52.5	6127	6271	6415	6561	6705	6734	6763	6792	6821	6871
55.0	6618	6709	6799	6889	6979	6987	6995	7003	7010	7065
57.5	7392	7406	7420	7434	7448	7389	7331	7272	7213	7290
60.0	8456	8443	8430	8417	8404	8196	7990	7782	7576	7655
62.5	9460	9485	9510	9535	9560	9270	8981	8692	8402	8384
65.0	10421	10485	10550	10616	10681	10375	10070	9764	9459	9345
67.5	12641	12612	12583	12554	12525	12079	11634	11187	10741	10529
70.0	13820	14201	14582	14962	15343	14733	14124	13514	12905	12566
72.5	11293	12039	12783	13529	14275	14336	14396	14458	14518	14626
75.0	7572	8467	9360	10254	11148	11451	11753	12055	12357	13103
77.5	3613	4481	5347	6214	7080	7606	8131	8657	9183	10087
80.0	1852	2338	2824	3311	3797	4284	4772	5259	5747	6701
82.5	897	1152	1405	1660	1914	2170	2427	2683	2939	3654
85.0	318	471	624	778	931	1104	1277	1450	1622	1905
87.5	132	200	269	337	405	497	588	680	771	884
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	192	193	193	194	195	195	196	196	195	195
5.0	458	463	468	471	473	475	477	481	486	490
7.5	698	704	709	711	714	717	719	721	723	725
10.0	877	884	890	894	898	902	906	909	912	915
12.5	1070	1077	1083	1090	1095	1101	1107	1112	1118	1123
15.0	1248	1260	1272	1281	1290	1300	1309	1315	1321	1328
17.5	1504	1524	1544	1566	1588	1611	1633	1632	1632	1631
20.0	1846	1872	1898	1926	1953	1981	2008	2008	2007	2007
22.5	2269	2309	2349	2368	2386	2406	2425	2423	2422	2421
25.0	2688	2729	2771	2790	2808	2827	2846	2843	2840	2837
27.5	3094	3136	3177	3195	3212	3231	3248	3244	3239	3234
30.0	3495	3543	3591	3606	3622	3638	3654	3645	3637	3628
32.5	3906	3958	4010	4030	4049	4069	4089	4076	4063	4049
35.0	4346	4390	4433	4463	4493	4523	4552	4530	4508	4485
37.5	4782	4827	4871	4910	4950	4990	5029	5009	4989	4968
40.0	5231	5272	5313	5354	5394	5435	5476	5449	5424	5398
42.5	5673	5714	5756	5785	5814	5844	5873	5852	5832	5811
45.0	6092	6128	6164	6182	6198	6216	6232	6221	6210	6198
47.5	6440	6470	6499	6526	6552	6579	6605	6589	6573	6556
50.0	6728	6770	6811	6835	6857	6881	6904	6898	6894	6889
52.5	6922	6973	7024	7062	7100	7138	7176	7177	7178	7178
55.0	7119	7174	7228	7295	7361	7429	7495	7487	7479	7471
57.5	7365	7441	7517	7610	7702	7795	7887	7864	7840	7816
60.0	7735	7815	7894	8010	8125	8242	8357	8316	8276	8235

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

62.5	8367	8349	8332	8460	8586	8714	8841	8790	8739	8687
65.0	9232	9119	9006	9097	9188	9279	9370	9316	9263	9209
67.5	10317	10105	9893	9894	9895	9895	9896	9923	9950	9977
70.0	12228	11889	11550	11552	11553	11555	11556	11645	11734	11823
72.5	14732	14840	14948	14670	14393	14115	13837	13986	14135	14283
75.0	13848	14595	15341	15413	15486	15558	15631	15399	15168	14936
77.5	10991	11895	12799	13186	13573	13960	14346	13883	13419	12955
80.0	7654	8607	9561	9846	10129	10414	10698	10144	9590	9035
82.5	4368	5082	5796	5981	6166	6351	6537	6175	5812	5450
85.0	2188	2470	2753	2983	3213	3444	3675	3501	3328	3155
87.5	997	1110	1223	1286	1348	1411	1473	1344	1216	1088
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

**Vert. Angles**      **Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	163	163	163	163	163	163	163	163	163	163
2.5	194	198	201	205	208	208	207	207	207	206
5.0	494	491	487	483	480	472	464	456	448	436
7.5	726	724	722	719	717	710	702	695	687	675

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

10.0	918	914	909	905	900	893	884	876	867	853
12.5	1128	1125	1122	1119	1116	1107	1099	1090	1082	1060
15.0	1334	1329	1325	1320	1315	1305	1294	1284	1273	1256
17.5	1630	1621	1611	1601	1592	1571	1550	1528	1507	1477
20.0	2007	1991	1976	1960	1945	1911	1877	1843	1809	1760
22.5	2419	2400	2381	2362	2344	2299	2253	2209	2163	2104
25.0	2834	2813	2792	2771	2750	2708	2666	2624	2582	2498
27.5	3229	3217	3205	3193	3181	3129	3078	3025	2974	2877
30.0	3620	3606	3592	3578	3564	3514	3463	3412	3361	3255
32.5	4036	4011	3988	3963	3939	3888	3837	3786	3735	3623
35.0	4463	4425	4387	4348	4310	4256	4201	4146	4092	3976
37.5	4948	4890	4833	4775	4718	4654	4589	4525	4460	4337
40.0	5372	5315	5258	5202	5145	5072	4999	4927	4854	4724
42.5	5791	5735	5679	5623	5568	5494	5420	5344	5270	5132
45.0	6187	6135	6084	6032	5980	5909	5836	5764	5692	5554
47.5	6541	6501	6462	6421	6382	6317	6253	6187	6122	5987
50.0	6884	6848	6812	6775	6739	6681	6622	6563	6505	6397
52.5	7178	7136	7093	7050	7007	6963	6920	6877	6833	6764
55.0	7463	7403	7344	7284	7225	7214	7204	7192	7182	7186
57.5	7792	7716	7640	7563	7487	7543	7599	7655	7711	7819
60.0	8194	8096	7998	7900	7802	7987	8171	8355	8540	8805
62.5	8635	8579	8523	8467	8411	8783	9155	9528	9901	10212
65.0	9155	9205	9255	9305	9355	9885	10415	10945	11475	11694
67.5	10004	10162	10318	10476	10632	11152	11672	12192	12712	12773
70.0	11913	11876	11839	11802	11766	11910	12055	12199	12343	12213
72.5	14432	13557	12682	11806	10931	10837	10744	10649	10555	9853
75.0	14704	13316	11927	10538	9149	8653	8157	7660	7164	6485
77.5	12491	10872	9253	7634	6015	5444	4873	4300	3729	3291
80.0	8481	7197	5913	4628	3345	2961	2577	2194	1810	1574
82.5	5088	4390	3692	2994	2296	1989	1681	1374	1066	928
85.0	2981	2610	2239	1867	1496	1250	1004	758	512	448
87.5	960	870	780	689	599	502	407	311	214	182
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**

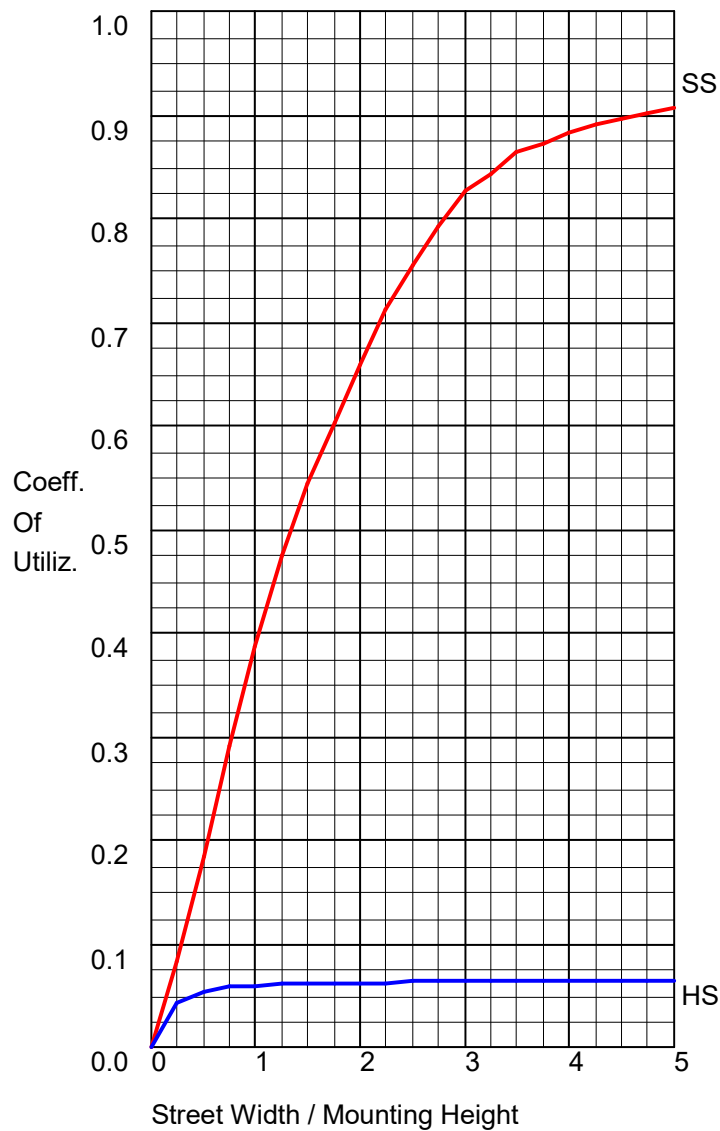
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	163	163	163	163	163
2.5	205	204	203	201	200
5.0	424	412	400	382	365
7.5	662	649	636	615	594
10.0	838	824	810	788	767
12.5	1038	1017	995	977	957
15.0	1238	1221	1203	1184	1165
17.5	1447	1417	1387	1362	1335
20.0	1710	1661	1612	1569	1525
22.5	2043	1984	1924	1842	1759
25.0	2414	2331	2248	2141	2034
27.5	2780	2684	2587	2456	2323
30.0	3148	3042	2935	2778	2619
32.5	3510	3398	3286	3104	2922
35.0	3859	3744	3627	3428	3228
37.5	4214	4091	3968	3759	3549
40.0	4593	4463	4333	4110	3887
42.5	4995	4858	4720	4485	4249
45.0	5416	5279	5140	4895	4649
47.5	5851	5716	5581	5359	5137
50.0	6288	6181	6072	5844	5616
52.5	6694	6625	6555	6349	6142
55.0	7191	7194	7199	7043	6887
57.5	7928	8035	8144	8052	7960
60.0	9070	9336	9601	9533	9465
62.5	10522	10832	11143	11001	10859
65.0	11913	12131	12349	12077	11805
67.5	12835	12896	12958	12455	11952
70.0	12083	11952	11822	10804	9785
72.5	9149	8446	7744	6836	5929
75.0	5806	5128	4449	3808	3168
77.5	2853	2415	1978	1698	1418
80.0	1338	1103	867	730	592
82.5	789	652	514	389	263
85.0	384	321	257	197	136
87.5	150	118	86	62	39
90.0	0	0	0	0	0
92.5	0	0	0	0	0
95.0	0	0	0	0	0

IES ROAD REPORT  
PHOTOMETRIC FILENAME : VALS-27L-RC-30K8-IS.IES

CANDELA TABULATION - (Cont.)

97.5	0	0	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	0	0
105.0	0	0	0	0	0
107.5	0	0	0	0	0
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
122.5	0	0	0	0	0
125.0	0	0	0	0	0
127.5	0	0	0	0	0
130.0	0	0	0	0	0
132.5	0	0	0	0	0
135.0	0	0	0	0	0
137.5	0	0	0	0	0
140.0	0	0	0	0	0
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

### COEFFICIENTS OF UTILIZATION

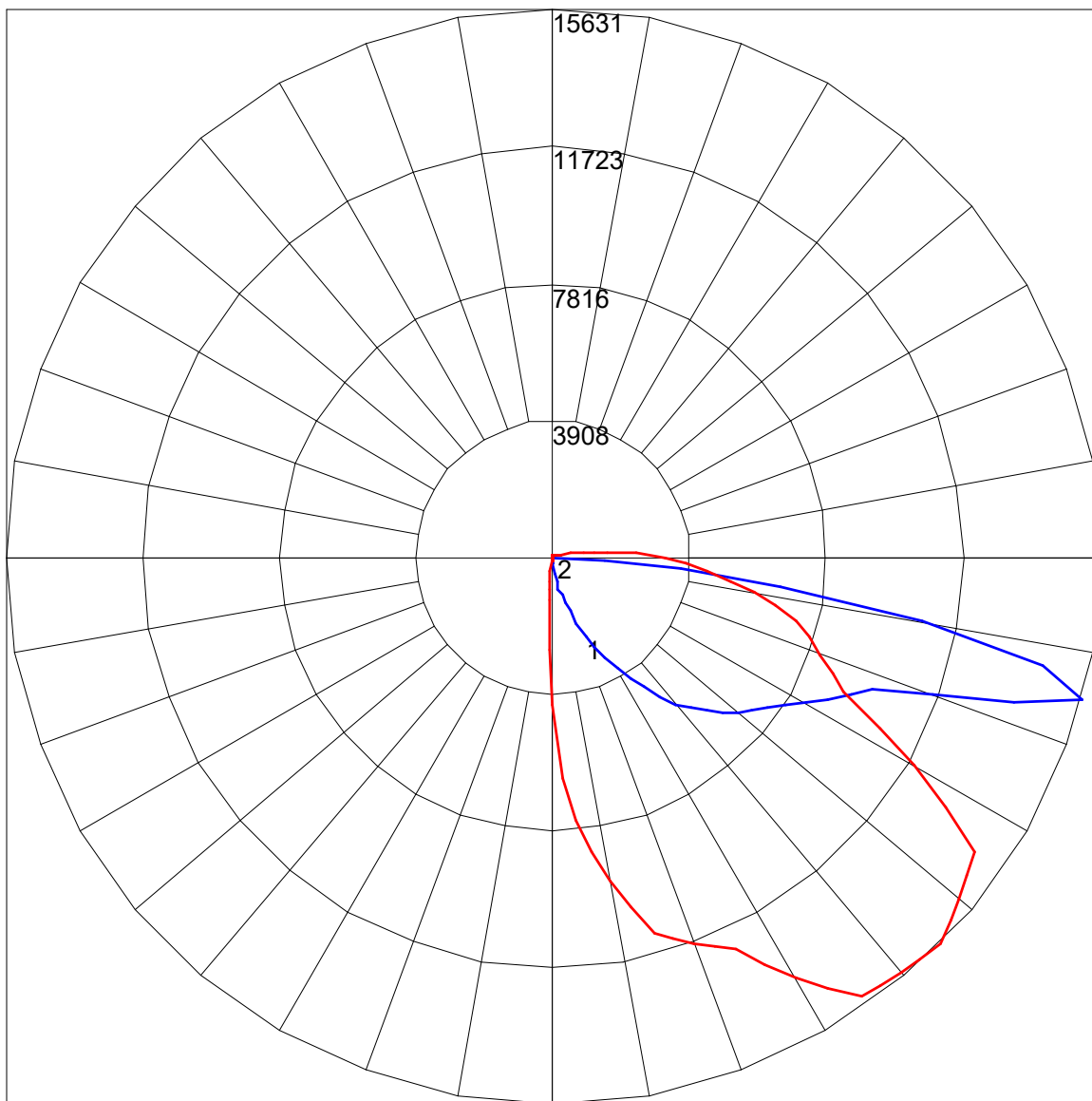


### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	10356.2	93.5
Downward House Side	716.1	6.5
Downward Total	11072.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	11072.3	100.0

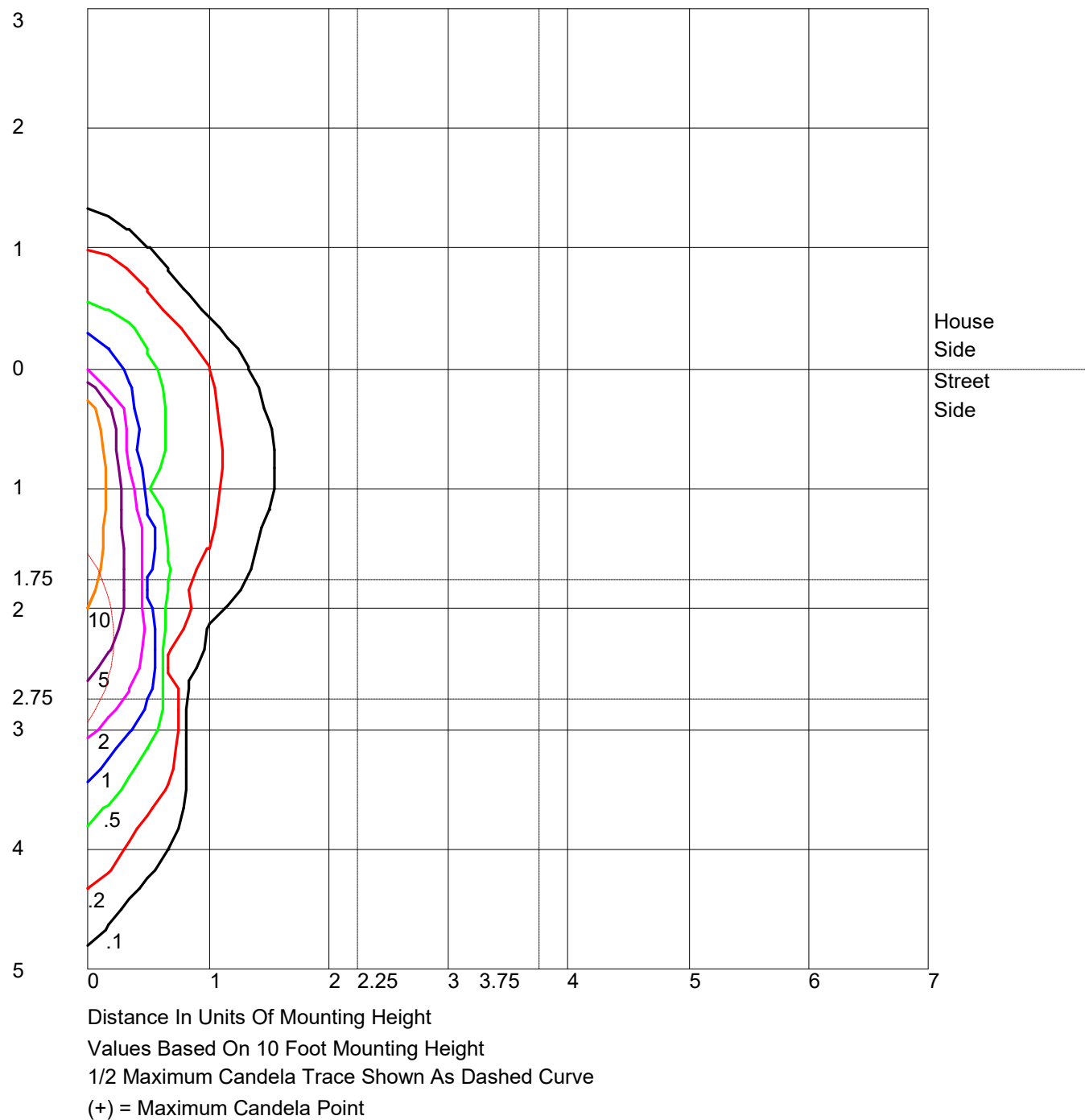


POLAR GRAPH

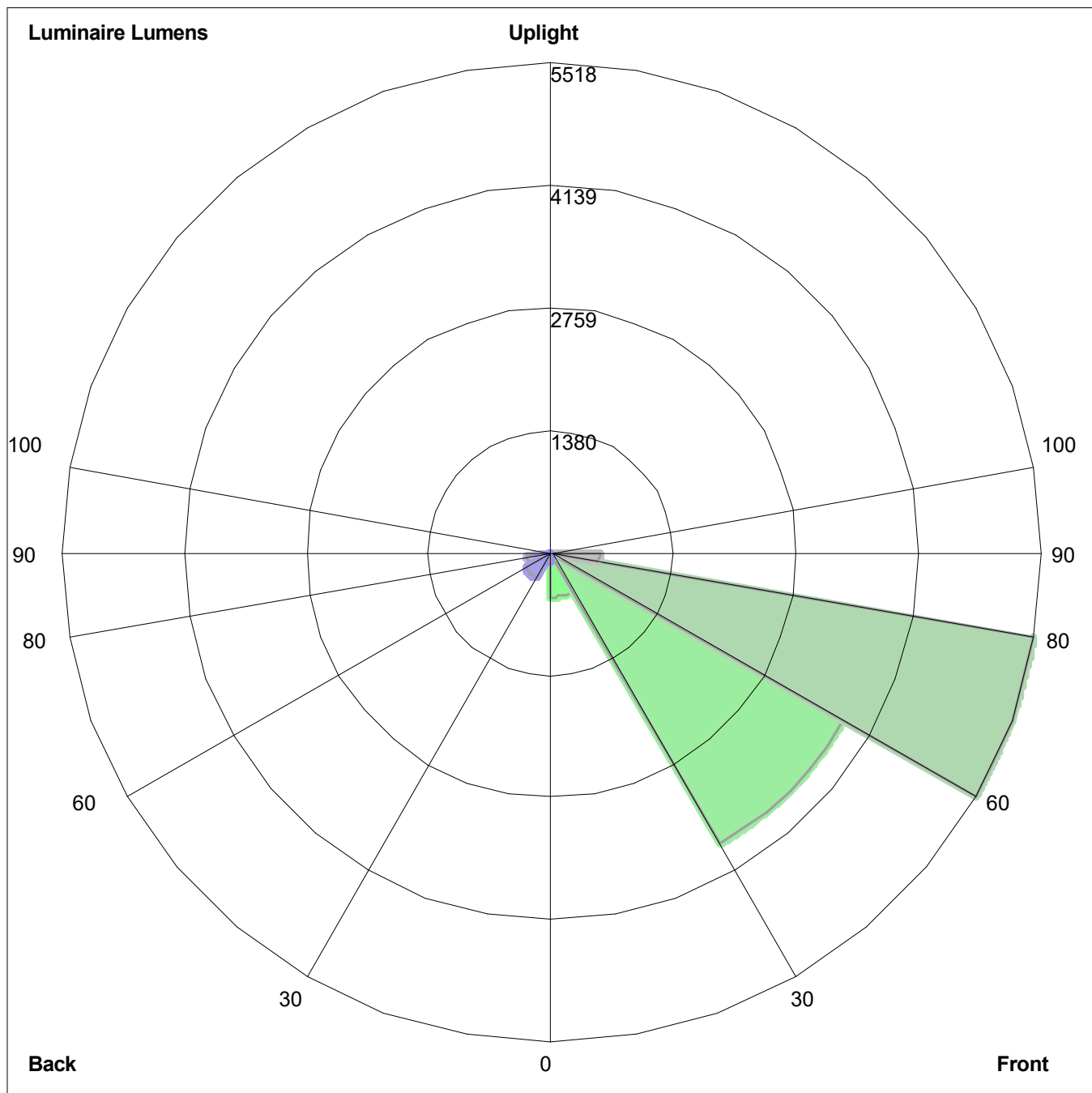


Maximum Candela = 15631 Located At Horizontal Angle = 315, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=500.1, Medium=3798.2, High=5518.5, Very High=539.5  
Back: Low=99.2, Medium=332.0, High=273.0, Very High=11.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G4