



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-18L-RC-30K8-IS.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-15003  
[TESTLAB] LSI INDUSTRIES, INC.  
[TESTDATE] 08/22/24  
[ISSUEDATE] 09/23/24  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] VALS-18L-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	7497
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	111
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10583
Maximum Candela Angle	315H 75V
Maximum Candela (<90 Degrees Vertical)	10583
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	7243 (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)	338.6	N.A.	4.5
FM - Front-Medium (30-60)	2571.6	N.A.	34.3
FH - Front-High (60-80)	3736.3	N.A.	49.8
FVH - Front-Very High (80-90)	365.3	N.A.	4.9
BL - Back-Low (0-30)	67.1	N.A.	0.9
BM - Back-Medium (30-60)	224.8	N.A.	3.0
BH - Back-High (60-80)	184.9	N.A.	2.5
BVH - Back-Very High (80-90)	8.0	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	7496.6	N.A.	100.0
BUG Rating	B1-U0-G3		

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**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	110	110	110	110	110	110	110	110	110	110
2.5	135	135	134	133	133	132	131	131	130	130
5.0	247	236	225	215	205	195	185	177	169	161
7.5	403	387	372	353	333	314	295	274	253	232
10.0	519	509	498	478	457	436	416	384	353	321
12.5	648	627	606	582	557	532	508	473	438	402
15.0	788	760	732	698	663	630	595	554	513	472
17.5	904	878	852	809	766	722	678	628	578	528
20.0	1033	993	955	906	857	808	759	693	628	563
22.5	1191	1130	1068	1002	935	867	801	722	643	565
25.0	1377	1291	1205	1108	1012	914	817	725	633	540
27.5	1573	1463	1354	1221	1087	954	821	712	605	497
30.0	1773	1637	1502	1329	1158	985	813	690	568	445
32.5	1979	1814	1650	1440	1229	1017	806	669	533	396
35.0	2186	1993	1800	1550	1300	1049	799	650	501	353
37.5	2402	2181	1959	1668	1377	1084	793	636	480	323
40.0	2631	2380	2127	1792	1457	1121	786	625	465	304
42.5	2877	2603	2329	1939	1551	1161	772	612	451	290
45.0	3148	2841	2534	2091	1647	1204	760	601	441	282
47.5	3478	3122	2766	2266	1764	1264	762	602	441	280
50.0	3802	3411	3021	2461	1902	1341	781	617	452	289
52.5	4158	3735	3311	2684	2056	1429	802	636	471	305
55.0	4663	4187	3711	2988	2266	1542	819	653	487	319
57.5	5390	4811	4234	3376	2519	1662	804	643	480	319
60.0	6408	5660	4912	3864	2816	1768	720	578	437	294
62.5	7353	6367	5381	4177	2973	1769	564	459	354	249
65.0	7992	6784	5574	4287	2998	1710	421	348	275	202
67.5	8092	6689	5286	4033	2780	1527	274	231	188	146
70.0	6625	5225	3825	2916	2007	1098	188	162	136	109
72.5	4014	3044	2074	1599	1125	649	175	149	123	97
75.0	2145	1595	1047	819	592	366	138	119	100	80
77.5	960	740	522	409	297	184	71	67	61	56
80.0	401	325	249	199	150	100	51	49	46	45
82.5	178	141	104	88	73	57	41	39	39	38
85.0	92	72	51	45	39	33	27	26	25	25
87.5	26	24	21	20	19	19	18	18	18	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

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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	110	110	110	110	110	110	110	110	110	110
2.5	128	127	126	124	123	122	120	119	118	117
5.0	153	147	140	135	128	126	123	120	118	116
7.5	211	193	176	158	140	135	130	123	117	116
10.0	290	258	226	193	161	150	139	128	116	115
12.5	367	322	278	234	190	172	153	134	116	113
15.0	431	377	325	272	220	193	166	139	113	110
17.5	478	419	361	302	243	210	177	144	109	107
20.0	498	437	375	314	252	215	179	143	106	103
22.5	487	424	362	300	238	205	171	137	103	100
25.0	448	387	326	264	203	178	153	128	102	98
27.5	389	333	277	220	163	148	132	116	101	97
30.0	322	276	228	181	134	125	116	108	99	95
32.5	260	226	192	158	123	116	109	101	93	89
35.0	203	181	158	137	114	108	101	95	88	84
37.5	166	151	137	121	106	100	95	89	84	81
40.0	143	133	123	112	102	97	93	88	83	80
42.5	130	122	116	109	102	97	93	88	84	80
45.0	122	116	111	106	101	96	93	88	83	79
47.5	119	115	110	106	102	96	92	88	82	78
50.0	124	118	113	108	102	96	92	87	81	77
52.5	139	130	122	112	103	98	93	87	81	77
55.0	153	141	130	118	106	100	94	88	81	76
57.5	157	145	133	122	110	103	96	88	81	77
60.0	153	144	134	124	115	106	97	88	80	76
62.5	143	135	128	119	111	102	94	84	75	73
65.0	129	122	116	109	103	95	88	80	71	69
67.5	103	100	97	95	91	85	80	74	67	66
70.0	82	82	81	81	81	77	73	69	65	63
72.5	71	71	71	71	70	68	67	64	62	60
75.0	60	60	61	61	61	61	61	61	61	59
77.5	51	53	53	54	55	54	53	51	49	45

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**CANDELA TABULATION - (Cont.)**

80.0	42	42	43	43	43	39	34	31	26	25
82.5	37	34	32	29	26	25	24	22	21	20
85.0	24	23	22	21	19	18	18	17	16	15
87.5	17	16	16	15	14	14	13	12	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
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	110	110	110	110	110	110	110	110	110	110
2.5	116	116	115	114	113	112	111	110	109	109
5.0	116	115	113	112	111	110	109	109	108	107
7.5	115	113	111	110	109	108	107	106	105	103
10.0	113	111	109	108	106	105	103	102	101	99
12.5	111	109	106	104	102	101	99	97	96	95
15.0	108	105	102	101	98	96	95	93	91	89
17.5	104	102	98	96	95	92	89	88	87	85
20.0	100	97	95	92	89	88	85	83	81	80
22.5	97	95	91	89	87	83	81	80	77	75
25.0	95	92	88	86	83	81	78	75	73	70

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**CANDELA TABULATION - (Cont.)**

27.5	93	89	85	82	80	77	74	71	68	65
30.0	91	88	83	80	76	73	69	67	63	60
32.5	86	81	78	74	72	68	65	62	60	57
35.0	81	78	74	71	67	64	60	59	56	54
37.5	78	74	71	67	64	61	58	56	54	52
40.0	75	71	67	64	61	58	54	53	52	51
42.5	74	70	65	62	60	56	53	52	51	49
45.0	74	69	64	61	58	54	51	50	49	47
47.5	73	68	63	60	58	54	51	50	48	46
50.0	73	68	63	60	58	54	52	50	48	46
52.5	73	68	64	61	58	55	53	50	48	46
55.0	73	69	65	61	59	55	53	50	47	45
57.5	73	69	65	61	59	56	53	50	47	45
60.0	73	68	65	61	59	56	53	50	46	43
62.5	70	67	64	61	58	55	53	49	45	41
65.0	67	65	63	60	56	53	50	46	43	39
67.5	65	63	61	57	53	49	45	41	38	35
70.0	62	60	60	54	49	45	39	36	33	30
72.5	60	58	56	51	45	39	33	31	28	25
75.0	57	54	53	46	40	34	28	26	24	22
77.5	41	36	32	31	28	26	25	23	21	19
80.0	25	25	25	23	23	21	20	19	18	16
82.5	20	19	19	18	18	16	15	14	13	12
85.0	14	14	13	12	12	12	11	11	11	9
87.5	11	10	9	9	8	8	8	8	8	7
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. 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	110	110	110	110	110	110	110	110	110	110
2.5	109	108	108	108	107	106	105	104	103	102
5.0	106	105	104	103	103	102	102	100	99	98
7.5	102	102	101	100	99	98	96	95	95	94
10.0	98	96	95	95	93	93	91	90	89	88
12.5	93	91	90	89	88	87	85	85	83	82
15.0	88	86	85	83	82	81	80	78	77	76
17.5	83	81	80	78	76	74	73	72	70	69
20.0	78	76	74	73	70	68	67	65	63	61
22.5	73	71	69	67	64	62	60	60	58	56
25.0	67	65	63	61	59	58	56	55	53	53
27.5	62	60	59	57	55	54	53	53	51	51
30.0	58	56	55	53	53	52	51	50	49	49
32.5	54	53	53	51	50	49	48	47	46	46
35.0	53	51	50	49	47	46	46	45	45	43
37.5	50	49	48	47	46	45	44	43	41	40
40.0	49	47	46	46	45	43	42	41	39	38
42.5	47	46	45	44	43	41	40	39	38	36
45.0	46	45	44	43	41	40	39	37	35	33
47.5	45	44	43	41	39	38	36	34	32	31
50.0	45	43	41	39	38	36	34	32	31	28
52.5	43	41	39	38	36	34	32	31	28	26
55.0	43	40	39	36	34	32	31	29	26	25
57.5	41	39	37	34	32	31	28	26	25	23
60.0	39	38	34	32	29	27	25	24	22	21
62.5	38	35	32	28	25	24	21	19	18	17
65.0	35	32	28	25	22	20	18	17	15	14
67.5	32	28	25	21	18	16	14	13	11	11
70.0	26	24	21	18	14	12	11	10	8	8
72.5	23	19	18	14	11	11	8	8	6	6
75.0	19	18	15	12	11	9	7	6	5	4
77.5	18	16	13	11	9	8	6	6	5	4
80.0	14	12	11	10	8	7	6	6	6	6
82.5	11	11	9	8	7	6	6	6	6	6
85.0	8	8	8	7	6	6	6	6	6	6
87.5	7	7	7	6	6	7	7	7	7	7
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-18L-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	110	110	110	110	110	110	110	110	110	110
2.5	102	101	100	100	100	100	99	99	99	99
5.0	98	96	96	95	95	95	95	95	95	95
7.5	93	92	91	91	91	90	89	89	89	89
10.0	88	87	86	85	85	84	83	83	83	83
12.5	81	81	80	79	78	77	76	76	75	75
15.0	74	73	72	71	70	69	68	68	68	67
17.5	67	66	65	64	63	62	61	61	61	61
20.0	60	60	58	58	57	56	56	56	56	57
22.5	56	54	53	53	53	53	52	53	53	53
25.0	53	51	51	50	49	49	48	49	49	49
27.5	50	49	48	47	46	46	46	46	45	45
30.0	48	46	46	46	45	44	43	43	42	41
32.5	46	45	44	43	42	41	40	39	39	38
35.0	43	41	40	39	39	38	36	36	35	34
37.5	39	39	38	36	35	33	32	32	31	31
40.0	37	35	34	32	32	30	28	28	28	27
42.5	34	32	31	30	28	26	25	25	25	25
45.0	32	30	28	26	25	25	23	23	22	21
47.5	29	27	25	25	23	22	21	20	19	19
50.0	27	25	24	23	21	19	18	18	18	17
52.5	25	24	22	21	19	18	18	17	16	16
55.0	24	22	20	19	18	17	16	15	14	14
57.5	22	20	18	18	16	15	14	13	12	12
60.0	19	18	16	15	14	12	11	11	11	11



IES ROAD REPORT  
PHOTOMETRIC FILENAME : VALS-18L-RC-30K8-IS.IES

CANDELA TABULATION - (Cont.)

62.5	16	14	12	11	11	10	8	8	8	7
65.0	12	11	10	8	8	6	5	4	4	4
67.5	9	8	6	6	4	4	3	3	3	2
70.0	6	6	4	4	3	3	1	1	1	1
72.5	4	4	3	3	2	1	0	0	0	0
75.0	4	4	3	3	2	1	0	0	0	0
77.5	4	4	3	3	3	2	1	1	1	1
80.0	6	6	6	6	6	6	6	6	6	7
82.5	6	5	5	5	5	4	4	4	4	4
85.0	6	6	6	6	6	6	6	6	6	5
87.5	8	8	8	8	7	7	6	6	6	6
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>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>
0.0	110	110	110	110	110	110	110	110	110	110
2.5	99	100	100	100	100	100	101	101	101	101
5.0	95	95	95	95	95	96	96	96	96	96
7.5	89	89	89	89	89	89	90	90	90	91

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-18L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

10.0	82	82	82	81	81	82	83	83	83	84
12.5	74	74	74	74	74	74	74	75	75	76
15.0	67	67	67	67	67	68	68	69	69	69
17.5	61	61	62	62	62	62	63	63	63	63
20.0	57	58	58	59	60	60	60	60	60	60
22.5	53	54	54	54	55	55	55	55	55	55
25.0	49	50	50	51	51	51	51	51	51	51
27.5	45	45	45	45	45	46	46	46	46	46
30.0	40	40	39	39	39	39	40	41	41	43
32.5	37	36	36	36	35	36	37	38	38	39
35.0	33	33	33	32	32	33	34	34	35	36
37.5	30	30	30	30	30	31	31	31	32	32
40.0	26	26	27	27	27	28	28	28	28	30
42.5	24	24	24	24	24	25	25	25	25	26
45.0	21	21	21	21	21	22	23	23	23	25
47.5	18	18	18	18	18	19	19	20	21	22
50.0	16	16	16	16	16	17	18	18	18	19
52.5	15	15	15	15	15	16	16	17	18	18
55.0	13	13	14	14	14	14	15	16	16	18
57.5	11	11	12	12	12	12	13	14	14	16
60.0	10	10	10	10	10	11	11	12	12	13
62.5	6	6	6	6	6	7	8	8	9	10
65.0	4	4	4	4	4	4	4	4	4	5
67.5	1	1	1	1	1	2	2	3	3	3
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	7	7	7	7	7	7	7	7	7	6
82.5	4	4	4	4	4	4	4	4	4	3
85.0	5	5	5	4	4	4	4	4	4	3
87.5	6	6	6	5	5	4	4	4	4	3
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-18L-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	110	110	110	110	110	110	110	110	110	110
2.5	102	102	102	102	102	102	102	102	102	102
5.0	97	97	97	98	98	98	99	100	100	100
7.5	91	92	93	93	94	95	95	95	96	96
10.0	85	85	85	86	88	88	88	89	89	90
12.5	77	78	78	79	80	80	81	81	83	83
15.0	70	70	71	71	72	73	73	74	75	76
17.5	63	63	63	64	65	65	65	67	67	68
20.0	59	59	58	58	59	59	59	60	60	61
22.5	54	54	54	54	54	54	54	54	55	56
25.0	51	51	51	51	51	51	51	51	52	52
27.5	46	47	47	47	48	48	48	49	49	49
30.0	43	45	45	46	46	46	46	46	46	47
32.5	40	41	43	43	44	44	45	45	46	46
35.0	38	38	39	40	41	42	43	43	44	44
37.5	34	34	36	37	38	39	39	40	41	42
40.0	31	32	32	33	34	36	37	38	39	39
42.5	27	28	29	31	32	33	34	36	36	38
45.0	25	26	26	28	29	30	31	32	33	34
47.5	23	24	25	25	26	27	28	30	31	32
50.0	20	21	22	23	25	25	26	27	28	30
52.5	19	20	21	22	23	24	25	25	26	28
55.0	18	19	19	21	21	23	23	25	25	26
57.5	16	18	18	19	19	21	21	23	24	25
60.0	14	15	16	17	18	18	19	21	22	23
62.5	11	11	12	13	14	15	16	18	18	19
65.0	6	7	8	8	10	11	11	12	13	14
67.5	3	4	4	4	4	5	6	6	7	8
70.0	1	1	1	2	2	3	3	3	4	4
72.5	0	0	0	0	0	0	0	1	1	1
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	5	4	4	3	3	3	2	2	1	1
82.5	3	3	2	1	1	1	0	0	0	0
85.0	3	3	2	1	1	1	0	0	0	0
87.5	3	3	2	1	1	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-18L-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	110	110	110	110	110	110	110	110	110	110
2.5	102	103	103	103	102	102	102	102	102	102
5.0	101	102	102	102	102	102	102	102	102	102
7.5	96	97	97	98	98	98	98	99	99	100
10.0	91	92	93	93	93	94	95	95	95	96
12.5	85	86	87	88	88	88	88	89	89	90
15.0	77	78	80	80	81	81	82	83	84	85
17.5	69	71	73	74	74	75	76	78	79	80
20.0	61	63	65	66	67	68	70	71	73	74
22.5	56	57	58	59	60	61	63	65	67	69
25.0	53	53	54	54	55	57	58	60	61	63
27.5	50	51	51	52	53	53	54	55	56	59
30.0	47	48	49	49	50	51	52	53	53	54
32.5	46	46	46	47	48	49	49	49	50	51
35.0	45	45	45	46	46	46	47	47	48	49
37.5	43	43	44	45	45	45	46	46	46	46
40.0	40	41	42	43	43	43	44	44	45	45
42.5	38	39	39	41	41	42	43	43	43	44

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-18L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

45.0	36	37	38	39	39	39	40	41	41	42
47.5	33	34	35	36	37	38	39	39	39	40
50.0	31	32	33	34	34	36	37	38	39	39
52.5	29	31	32	32	33	34	36	36	38	39
55.0	28	29	31	31	32	32	34	35	36	38
57.5	26	27	28	29	30	31	32	34	35	37
60.0	24	25	25	26	27	28	31	32	32	35
62.5	19	21	22	23	24	25	26	28	30	33
65.0	15	16	18	18	19	21	23	25	26	30
67.5	8	10	11	11	12	15	18	19	22	26
70.0	4	4	5	6	8	11	13	16	18	23
72.5	1	2	2	3	4	7	11	12	16	20
75.0	0	0	0	1	3	5	8	11	13	18
77.5	0	0	0	1	1	3	4	7	9	14
80.0	1	1	0	1	1	2	3	4	5	9
82.5	0	0	0	0	0	1	2	3	3	5
85.0	0	0	0	0	0	0	0	0	0	2
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-18L-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	110	110	110	110	110	110	110	110	110	110
2.5	102	102	102	102	102	102	102	102	102	102
5.0	102	102	102	102	102	102	102	102	102	102
7.5	100	100	100	100	101	101	101	102	102	102
10.0	96	96	97	98	98	98	98	99	100	100
12.5	91	92	93	93	95	95	95	96	97	98
15.0	86	87	88	88	89	90	91	93	94	95
17.5	81	81	82	83	85	86	88	89	90	92
20.0	75	76	77	79	80	81	83	85	87	88
22.5	70	72	73	74	76	78	79	81	83	85
25.0	65	67	69	71	73	74	76	79	81	84
27.5	60	63	65	67	69	71	73	76	80	83
30.0	56	58	60	62	65	67	69	74	78	81
32.5	53	54	55	58	60	62	65	69	74	78
35.0	50	51	52	54	56	58	60	64	68	73
37.5	47	48	49	51	53	54	56	60	64	67
40.0	46	46	46	48	50	51	53	56	60	63
42.5	44	45	45	46	47	49	50	53	57	60
45.0	42	43	43	44	45	46	47	51	54	57
47.5	41	41	41	43	43	45	45	48	52	54
50.0	39	40	41	42	43	44	45	47	50	53
52.5	39	40	41	42	43	44	45	47	49	52
55.0	39	40	41	43	44	45	46	47	49	51
57.5	39	40	42	43	45	45	46	48	50	51
60.0	38	40	43	44	45	46	47	49	51	53
62.5	36	39	43	45	46	47	49	51	52	53
65.0	34	38	41	43	46	48	51	52	53	53
67.5	31	34	38	41	45	48	51	53	53	54
70.0	27	32	36	39	44	47	51	53	53	54
72.5	25	31	35	39	43	46	51	51	53	53
75.0	23	28	32	36	38	41	43	45	47	49
77.5	18	23	26	28	31	32	33	35	38	39
80.0	12	16	18	19	21	21	23	24	25	25
82.5	8	10	12	12	14	14	15	16	16	16
85.0	3	4	6	6	6	7	7	8	8	9
87.5	0	0	0	1	1	1	1	2	2	3
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-18L-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	110	110	110	110	110	110	110	110	110	110
2.5	102	102	102	102	102	102	102	102	102	103
5.0	102	103	103	104	105	108	111	114	116	124
7.5	102	104	106	108	109	119	130	140	151	172
10.0	101	104	108	111	115	137	160	183	207	240
12.5	99	105	111	116	123	159	197	234	270	312
15.0	96	105	115	123	132	183	234	285	336	385
17.5	93	106	118	130	143	205	267	328	390	447
20.0	90	105	120	135	150	215	282	347	414	481
22.5	88	103	118	133	148	212	277	340	404	487
25.0	87	99	112	124	137	194	252	310	368	460
27.5	86	95	103	112	121	168	215	263	309	410
30.0	85	91	98	103	109	142	175	207	240	347
32.5	82	88	94	99	104	122	140	158	176	288
35.0	76	82	88	94	100	108	116	124	133	242
37.5	71	76	81	87	91	95	100	103	108	209
40.0	67	71	74	79	83	87	90	93	96	187
42.5	63	67	71	74	78	81	85	89	93	174
45.0	60	64	68	72	76	80	83	86	89	168
47.5	58	61	66	69	74	78	81	85	89	165
50.0	55	60	63	67	71	77	83	88	95	167
52.5	53	58	61	66	70	78	85	93	100	168
55.0	53	57	61	65	69	77	85	93	101	161
57.5	53	58	61	67	71	79	88	95	103	152
60.0	53	58	63	68	73	81	89	97	106	138
62.5	54	60	64	69	74	81	88	95	102	124
65.0	54	58	62	66	69	75	81	88	93	113
67.5	54	57	60	61	64	68	73	77	81	102
70.0	54	56	58	60	61	65	68	71	74	95
72.5	53	54	55	56	56	59	61	64	67	85
75.0	51	51	51	51	51	53	54	55	56	64
77.5	41	42	43	45	46	45	45	45	44	46

IES ROAD REPORT  
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CANDELA TABULATION - (Cont.)

80.0	26	29	32	33	36	35	34	34	33	36
82.5	16	18	18	19	21	22	23	25	25	27
85.0	10	11	11	11	12	14	16	18	19	19
87.5	3	3	4	4	4	7	10	11	14	12
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	110	110	110	110	110	110	110	110	110	110
2.5	103	103	104	105	106	107	108	111	111	114
5.0	130	137	144	153	163	172	182	200	210	224
7.5	192	213	233	254	274	295	316	343	361	377
10.0	273	306	340	365	390	416	440	467	485	501
12.5	355	397	440	470	500	529	558	574	592	608
15.0	434	483	533	564	594	625	655	674	697	721
17.5	505	562	620	655	690	727	762	782	800	818
20.0	548	614	682	722	763	804	844	869	897	928
22.5	571	653	736	785	834	883	933	972	1031	1067
25.0	554	647	740	814	886	960	1033	1098	1186	1240



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

27.5	511	612	712	821	930	1039	1147	1244	1355	1448
30.0	456	564	671	821	970	1119	1269	1392	1537	1652
32.5	400	511	623	816	1008	1201	1393	1570	1731	1869
35.0	352	461	571	809	1047	1285	1523	1739	1933	2094
37.5	310	411	512	798	1084	1370	1657	1917	2147	2327
40.0	278	368	459	792	1125	1459	1791	2102	2367	2572
42.5	256	339	420	797	1174	1552	1929	2295	2601	2832
45.0	246	324	402	824	1246	1669	2091	2496	2847	3102
47.5	242	319	395	856	1318	1779	2241	2701	3099	3377
50.0	241	313	386	887	1387	1888	2388	2917	3360	3651
52.5	235	304	372	911	1451	1991	2531	3138	3662	3929
55.0	221	282	342	931	1520	2109	2698	3395	3999	4269
57.5	201	249	298	950	1603	2256	2909	3771	4472	4838
60.0	172	205	238	964	1691	2417	3142	4201	5095	5542
62.5	148	170	193	966	1738	2511	3283	4513	5595	6153
65.0	132	151	172	956	1740	2524	3308	4669	5963	6727
67.5	124	146	167	1006	1845	2683	3522	5235	7006	8169
70.0	116	137	158	826	1496	2164	2832	4701	6758	8292
72.5	104	123	142	523	905	1286	1667	3221	5031	6624
75.0	73	80	88	275	462	649	837	1783	2865	4291
77.5	49	51	53	150	247	343	439	830	1324	1892
80.0	38	39	42	104	167	229	291	473	717	1004
82.5	29	31	32	81	130	179	227	287	388	487
85.0	20	21	21	48	74	101	127	91	123	162
87.5	11	10	8	13	19	25	30	32	46	62
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**  
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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><u>275.0</u></b>	<b><u>277.5</u></b>	<b><u>280.0</u></b>	<b><u>282.5</u></b>	<b><u>285.0</u></b>	<b><u>287.5</u></b>	<b><u>290.0</u></b>	<b><u>292.5</u></b>	<b><u>295.0</u></b>	<b><u>297.5</u></b>
0.0	110	110	110	110	110	110	110	110	110	110
2.5	113	115	115	116	116	120	123	125	128	129
5.0	228	237	245	254	263	272	283	292	303	306
7.5	387	397	409	419	431	439	448	457	466	469
10.0	511	522	533	543	553	562	570	578	585	590
12.5	619	635	652	669	687	694	701	709	716	720
15.0	737	752	767	781	796	804	813	821	830	837
17.5	834	858	880	904	928	943	959	976	991	1005
20.0	970	1005	1040	1075	1110	1136	1162	1188	1215	1232
22.5	1133	1185	1237	1289	1342	1377	1412	1447	1483	1510
25.0	1329	1397	1464	1531	1599	1641	1681	1723	1764	1792
27.5	1540	1621	1701	1782	1862	1907	1951	1995	2039	2067
30.0	1763	1852	1940	2029	2118	2164	2210	2256	2302	2335
32.5	1998	2092	2186	2281	2375	2425	2474	2525	2575	2610
35.0	2236	2338	2441	2544	2646	2705	2764	2824	2883	2912
37.5	2483	2593	2703	2813	2924	2988	3051	3114	3178	3208
40.0	2740	2859	2978	3097	3216	3283	3351	3419	3486	3514
42.5	3010	3143	3276	3409	3543	3605	3665	3725	3786	3814
45.0	3292	3429	3565	3702	3839	3898	3956	4016	4075	4100
47.5	3600	3728	3856	3983	4111	4164	4216	4269	4321	4341
50.0	3875	3993	4110	4228	4346	4384	4423	4461	4500	4527
52.5	4148	4246	4344	4442	4540	4559	4579	4599	4618	4652
55.0	4481	4542	4603	4664	4726	4731	4736	4741	4747	4783
57.5	5005	5014	5024	5034	5042	5003	4964	4923	4884	4936
60.0	5725	5716	5707	5699	5690	5549	5410	5269	5129	5183
62.5	6405	6422	6439	6456	6472	6276	6081	5885	5688	5677
65.0	7055	7099	7143	7187	7231	7024	6818	6611	6404	6327
67.5	8558	8539	8519	8500	8481	8178	7877	7574	7272	7129
70.0	9357	9615	9873	10130	10388	9975	9563	9150	8738	8509
72.5	7646	8151	8655	9160	9665	9707	9747	9789	9829	9903
75.0	5127	5733	6337	6943	7548	7753	7957	8162	8367	8872
77.5	2447	3034	3620	4207	4794	5150	5505	5861	6218	6829
80.0	1254	1583	1912	2241	2571	2901	3231	3561	3891	4537
82.5	607	780	951	1124	1296	1469	1643	1817	1990	2474
85.0	215	319	423	527	630	747	865	982	1098	1290
87.5	89	136	182	228	274	337	398	460	522	599
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-18L-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	110	110	110	110	110	110	110	110	110	110
2.5	130	130	131	131	132	132	133	133	132	132
5.0	310	313	317	319	320	322	323	326	329	332
7.5	473	476	480	481	483	486	487	488	489	491
10.0	593	599	603	606	608	611	613	615	617	620
12.5	725	729	733	738	741	746	749	753	757	760
15.0	844	853	861	867	873	879	886	891	894	899
17.5	1019	1032	1045	1061	1075	1090	1105	1105	1105	1104
20.0	1250	1267	1286	1304	1322	1342	1360	1360	1359	1359
22.5	1537	1564	1590	1603	1615	1629	1642	1641	1640	1639
25.0	1820	1848	1876	1888	1902	1915	1927	1925	1923	1921
27.5	2095	2124	2151	2163	2175	2188	2199	2197	2193	2190
30.0	2366	2399	2431	2442	2452	2463	2474	2468	2463	2456
32.5	2645	2680	2715	2729	2742	2755	2769	2760	2751	2742
35.0	2942	2972	3002	3022	3042	3062	3082	3066	3052	3037
37.5	3238	3269	3297	3325	3351	3379	3405	3391	3378	3364
40.0	3542	3570	3597	3625	3652	3680	3707	3689	3672	3654
42.5	3841	3869	3897	3917	3936	3956	3976	3962	3948	3934
45.0	4124	4149	4173	4186	4197	4208	4220	4212	4204	4197
47.5	4360	4380	4400	4418	4436	4454	4472	4461	4450	4439
50.0	4555	4584	4612	4628	4642	4659	4674	4670	4668	4664
52.5	4687	4721	4755	4782	4807	4833	4859	4859	4859	4859
55.0	4820	4858	4894	4939	4984	5030	5075	5069	5064	5058
57.5	4986	5038	5090	5153	5215	5278	5340	5324	5308	5292
60.0	5237	5291	5345	5423	5501	5581	5658	5630	5603	5575

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-18L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

62.5	5665	5653	5641	5728	5813	5900	5986	5951	5917	5882
65.0	6251	6174	6098	6159	6220	6282	6344	6308	6272	6235
67.5	6985	6842	6698	6699	6699	6699	6700	6718	6737	6755
70.0	8279	8049	7820	7822	7823	7823	7824	7885	7945	8005
72.5	9974	10048	10121	9932	9745	9556	9369	9469	9570	9671
75.0	9376	9882	10387	10436	10485	10534	10583	10426	10269	10113
77.5	7442	8054	8666	8928	9189	9451	9714	9399	9085	8771
80.0	5182	5828	6474	6667	6858	7051	7243	6868	6493	6118
82.5	2957	3441	3924	4050	4175	4300	4426	4180	3935	3690
85.0	1482	1672	1864	2020	2176	2332	2488	2371	2253	2136
87.5	675	752	828	871	913	955	997	910	823	737
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	110	110	110	110	110	110	110	110	110	110
2.5	131	134	137	138	141	141	140	140	140	139
5.0	335	333	330	327	325	319	314	309	304	295
7.5	492	490	489	487	486	480	475	471	465	457

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VALS-18L-RC-30K8-IS.IES**

**CANDELA TABULATION - (Cont.)**

10.0	621	619	615	613	610	605	599	593	587	578
12.5	764	762	760	758	755	749	744	739	732	718
15.0	903	900	897	893	891	883	876	869	862	851
17.5	1104	1097	1090	1084	1078	1063	1049	1034	1020	1000
20.0	1358	1348	1338	1328	1317	1294	1271	1248	1224	1192
22.5	1637	1624	1612	1599	1587	1557	1525	1496	1465	1425
25.0	1918	1904	1890	1876	1861	1833	1804	1776	1748	1692
27.5	2186	2178	2170	2162	2154	2119	2084	2049	2014	1948
30.0	2451	2442	2432	2422	2414	2379	2344	2310	2276	2204
32.5	2733	2716	2700	2683	2666	2632	2598	2563	2529	2453
35.0	3022	2995	2970	2944	2918	2882	2845	2807	2771	2692
37.5	3350	3311	3272	3233	3194	3151	3107	3064	3020	2936
40.0	3637	3598	3560	3521	3483	3434	3385	3336	3287	3198
42.5	3920	3883	3845	3808	3770	3720	3669	3619	3568	3475
45.0	4189	4154	4119	4084	4049	4000	3951	3903	3854	3760
47.5	4428	4402	4375	4348	4321	4277	4234	4189	4145	4053
50.0	4661	4636	4612	4587	4563	4523	4483	4444	4404	4331
52.5	4860	4831	4803	4773	4744	4714	4685	4656	4626	4579
55.0	5053	5013	4972	4932	4892	4885	4878	4870	4863	4866
57.5	5276	5224	5173	5121	5069	5107	5145	5182	5221	5294
60.0	5548	5482	5415	5349	5283	5407	5532	5658	5782	5962
62.5	5847	5809	5771	5733	5694	5947	6198	6451	6703	6914
65.0	6198	6232	6267	6300	6334	6693	7052	7410	7769	7918
67.5	6773	6880	6986	7093	7199	7550	7903	8255	8607	8648
70.0	8066	8040	8016	7991	7966	8064	8161	8259	8357	8269
72.5	9771	9179	8586	7993	7401	7338	7274	7210	7147	6671
75.0	9956	9015	8075	7135	6195	5859	5523	5186	4850	4391
77.5	8457	7361	6265	5169	4073	3686	3299	2911	2525	2228
80.0	5742	4873	4004	3134	2265	2005	1745	1485	1225	1066
82.5	3444	2972	2500	2027	1555	1347	1139	930	722	628
85.0	2019	1767	1516	1264	1012	846	680	513	347	304
87.5	650	589	528	466	405	340	276	210	145	123
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-18L-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**

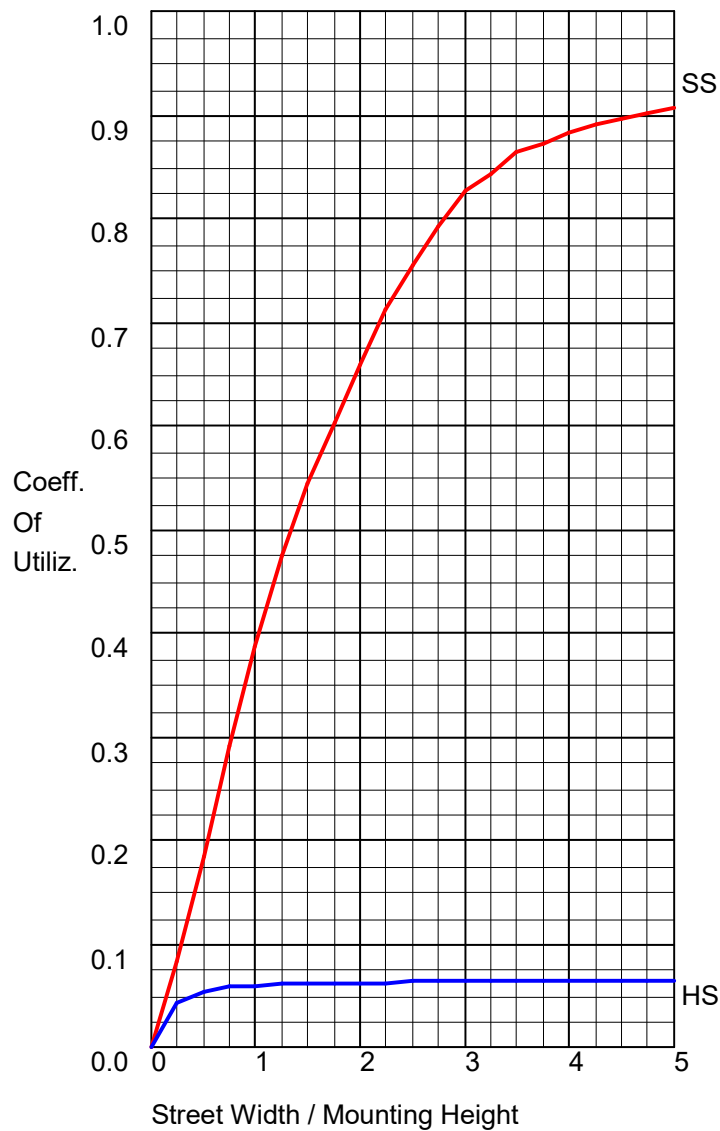
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	110	110	110	110	110
2.5	138	138	137	137	135
5.0	287	279	270	259	247
7.5	448	439	431	417	403
10.0	568	558	549	534	519
12.5	703	689	674	662	648
15.0	838	826	815	802	788
17.5	979	959	939	921	904
20.0	1158	1125	1091	1062	1033
22.5	1384	1343	1303	1247	1191
25.0	1635	1579	1522	1450	1377
27.5	1882	1818	1751	1663	1573
30.0	2131	2059	1987	1881	1773
32.5	2377	2301	2225	2102	1979
35.0	2613	2534	2456	2321	2186
37.5	2853	2770	2687	2545	2402
40.0	3110	3022	2933	2783	2631
42.5	3382	3289	3196	3037	2877
45.0	3667	3574	3480	3314	3148
47.5	3962	3871	3779	3628	3478
50.0	4257	4185	4111	3956	3802
52.5	4532	4485	4438	4298	4158
55.0	4868	4871	4873	4768	4663
57.5	5367	5441	5514	5452	5390
60.0	6141	6321	6500	6455	6408
62.5	7124	7334	7544	7448	7353
65.0	8066	8213	8362	8177	7992
67.5	8690	8732	8773	8433	8092
70.0	8180	8092	8004	7315	6625
72.5	6195	5719	5243	4628	4014
75.0	3931	3472	3012	2579	2145
77.5	1931	1636	1339	1149	960
80.0	906	746	587	494	401
82.5	535	441	347	263	178
85.0	260	217	174	133	92
87.5	102	80	58	42	26
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-18L-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

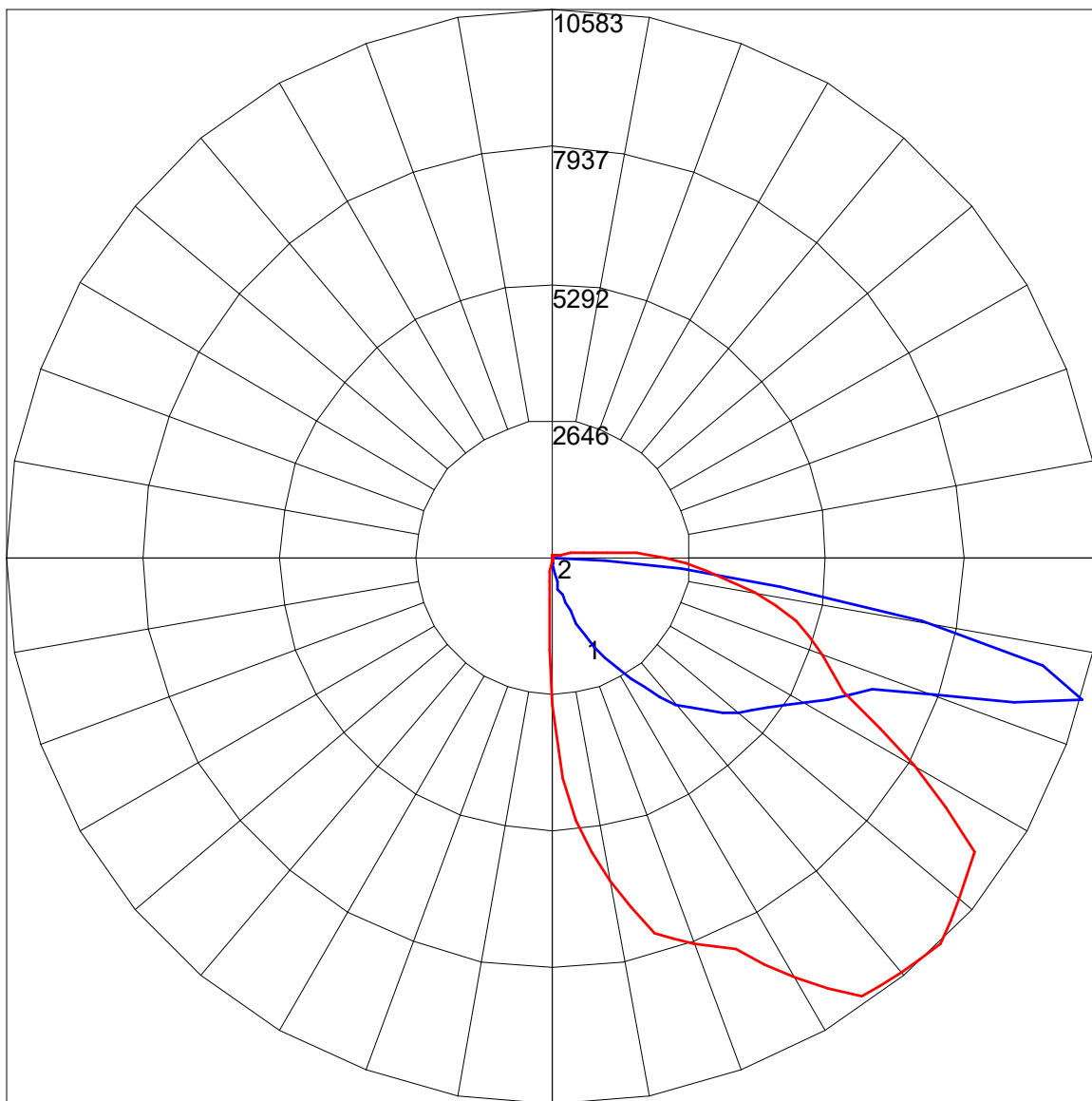


FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	7011.8	93.5
Downward House Side	484.8	6.5
Downward Total	7496.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7496.6	100.0

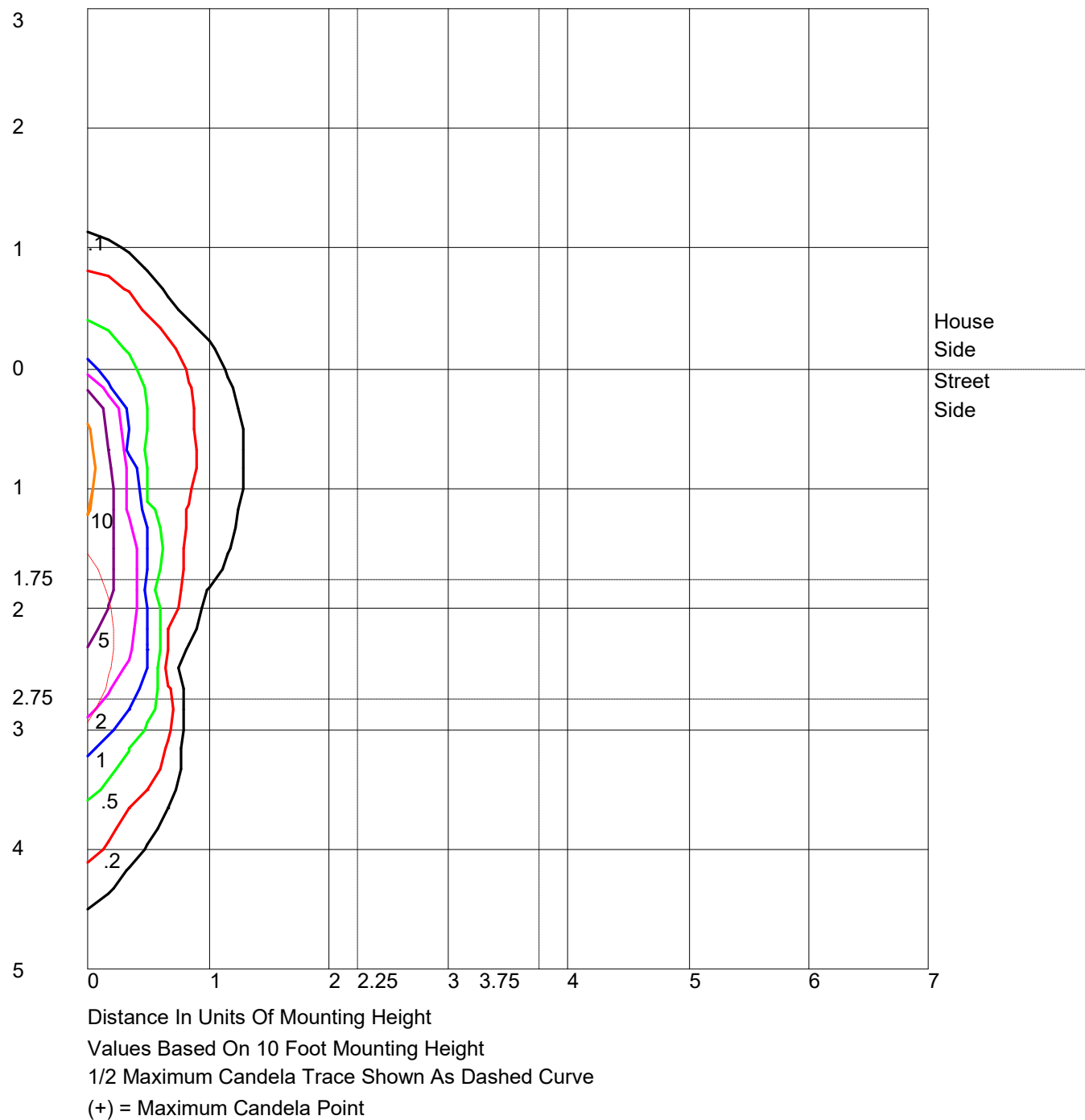


POLAR GRAPH

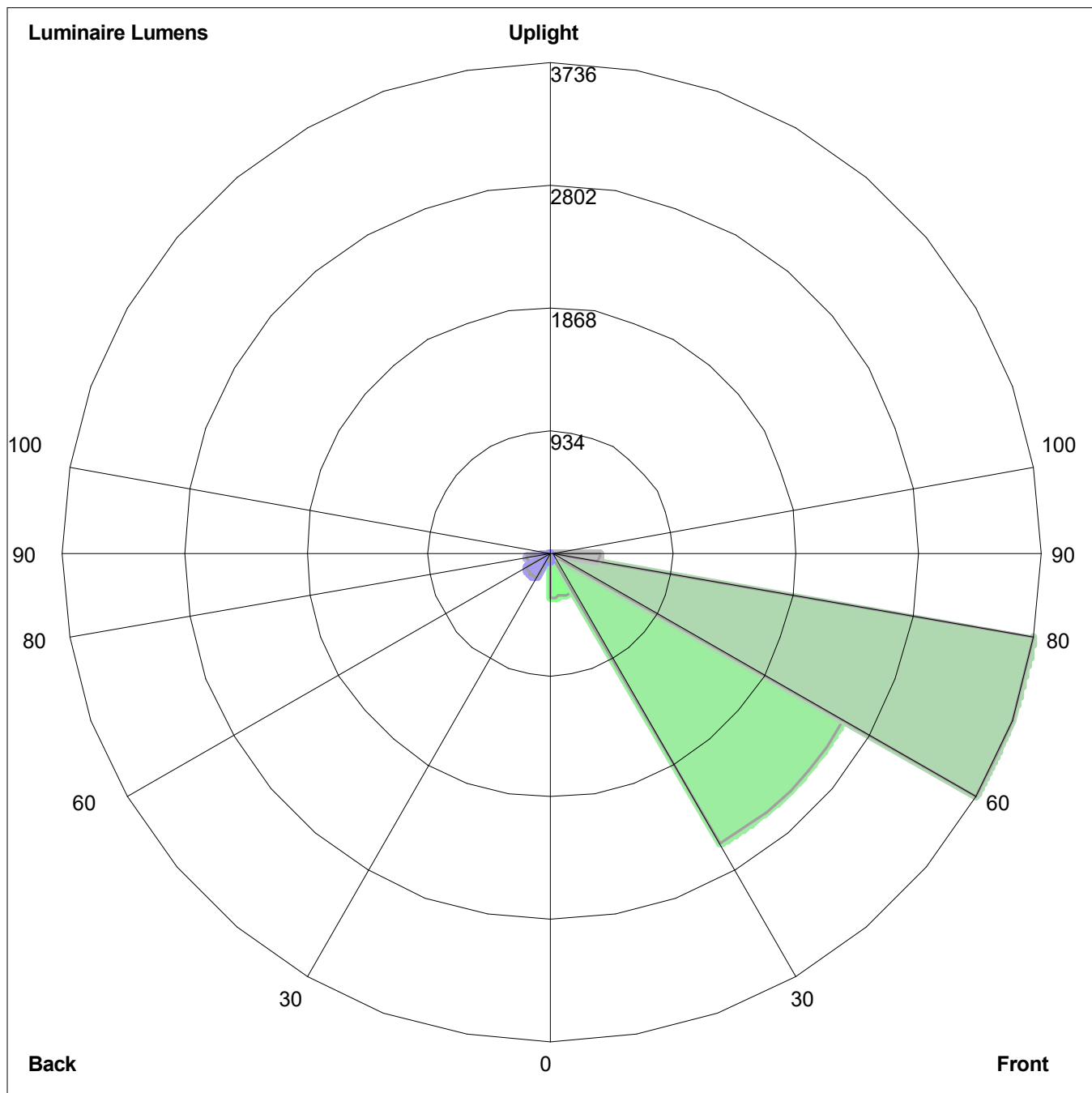


Maximum Candela = 10583 Located At Horizontal Angle = 315, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=338.6, Medium=2571.6, High=3736.3, Very High=365.3  
Back: Low=67.1, Medium=224.8, High=184.9, Very High=8.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G3