



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-FT-LED-28-350-CW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3062
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/20/12
[TEST DATE]03/20/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-FT-LED-28-350-CW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[LED DRIVER]ELECTRONIC LED DRIVER

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3056
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	34
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2346
Maximum Candela Angle	29H 57.5V
Maximum Candela (<90 Degrees Vertical)	2346
Maximum Candela Angle (<90 Degrees Vertical)	29H 57.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	232 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	244.3	N.A.	8.0
FM - Front-Medium (30-60)	1246.8	N.A.	40.8
FH - Front-High (60-80)	824.5	N.A.	27.0
FVH - Front-Very High (80-90)	20.5	N.A.	0.7
BL - Back-Low (0-30)	208.8	N.A.	6.8
BM - Back-Medium (30-60)	403.8	N.A.	13.2
BH - Back-High (60-80)	101.6	N.A.	3.3
BVH - Back-Very High (80-90)	5.2	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3055.5	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>29</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	564	564	564	564	564	564	564	564	564	564
2.5	559	555	554	545	553	554	555	557	562	563
5.0	521	516	517	509	518	522	530	541	554	561
7.5	495	491	493	492	495	500	510	522	543	560
10.0	478	475	475	480	479	486	498	515	536	560
12.5	473	470	472	474	472	475	485	505	534	566
15.0	470	467	470	473	472	476	482	496	531	570
17.5	468	466	471	473	473	476	482	494	528	590
20.0	464	464	476	476	475	477	484	503	552	647
22.5	461	461	470	474	474	478	496	545	614	724
25.0	458	458	459	473	474	484	531	616	711	811
27.5	456	457	463	473	477	498	589	694	808	931
30.0	459	460	470	482	491	534	663	756	909	1068
32.5	460	463	470	499	516	593	725	831	994	1165
35.0	469	470	479	518	558	660	784	906	1053	1199
37.5	502	502	503	557	617	725	856	984	1045	1164
40.0	559	558	555	640	707	795	937	1024	1017	1111
42.5	650	646	633	778	842	905	1024	1034	995	1045
45.0	762	757	751	946	998	1084	1085	1036	966	967
47.5	910	901	908	1149	1217	1299	1176	1030	943	899
50.0	1068	1058	1119	1422	1481	1534	1266	1019	927	871
52.5	1212	1201	1347	1763	1825	1703	1361	1040	925	902
55.0	1237	1233	1524	2108	2154	1907	1447	1112	980	973
57.5	1147	1141	1494	2243	2346	2152	1623	1247	1056	1038
60.0	1032	1029	1466	2160	2230	2227	1897	1392	1106	1058
62.5	819	819	1276	1984	2094	2115	2134	1554	1105	982
65.0	562	573	949	1534	1724	2035	2165	1681	996	798
67.5	266	276	427	980	1290	1833	2106	1595	865	651
70.0	111	115	191	490	842	1465	1681	1342	835	556
72.5	44	47	70	338	667	1034	1084	1051	800	465
75.0	28	31	45	271	482	638	596	626	652	370
77.5	21	23	34	142	244	349	269	281	478	308
80.0	16	18	27	64	113	164	128	140	232	232
82.5	12	13	18	24	32	52	61	82	117	90
85.0	9	9	11	14	15	16	21	38	53	29
87.5	6	6	6	6	7	7	7	8	8	7
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85</u>	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>
0.0	564	564	564	564	564	564	564	564	564	564
2.5	564	563	564	566	568	565	567	572	573	577
5.0	564	564	566	569	572	571	573	579	581	585
7.5	568	569	571	575	579	576	573	575	572	575
10.0	578	580	581	584	585	576	571	568	561	559
12.5	603	609	611	610	597	578	569	545	516	494
15.0	635	650	654	652	622	587	542	486	433	401
17.5	687	716	726	718	659	591	493	407	341	297
20.0	778	818	829	803	716	580	434	321	253	201
22.5	889	938	946	898	779	567	367	236	170	136
25.0	987	1038	1041	973	819	543	303	171	121	95
27.5	1115	1159	1147	1049	818	501	263	135	86	77

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CANDELA TABULATION - (Cont.)

30.0	1236	1263	1229	1109	789	440	259	119	79	75
32.5	1311	1328	1252	1114	716	399	269	139	76	71
35.0	1329	1366	1249	1055	615	383	318	184	79	71
37.5	1284	1327	1232	983	526	366	358	234	90	79
40.0	1235	1272	1206	901	448	375	383	268	98	85
42.5	1198	1239	1176	801	386	388	377	233	100	83
45.0	1130	1176	1124	705	347	371	320	199	137	77
47.5	1045	1105	1078	611	307	328	260	195	168	75
50.0	967	1067	1078	535	264	254	231	209	155	61
52.5	978	1092	1133	504	234	200	205	171	102	52
55.0	1035	1072	1080	499	230	176	159	123	75	61
57.5	1081	1100	1078	473	218	182	108	101	53	38
60.0	1057	1063	1025	421	201	173	63	80	49	27
62.5	896	916	871	303	168	130	60	57	38	26
65.0	743	741	687	206	127	78	56	42	26	19
67.5	613	617	535	121	82	65	47	37	25	16
70.0	522	501	421	97	70	54	53	36	19	14
72.5	424	360	273	93	57	49	56	34	16	11
75.0	293	276	178	79	50	46	50	26	13	10
77.5	176	164	107	53	40	37	40	22	11	8
80.0	123	124	71	27	29	23	21	13	8	6
82.5	68	58	36	19	23	13	10	7	5	4
85.0	17	16	12	12	12	10	5	5	4	4
87.5	7	7	6	5	5	5	4	4	4	4
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

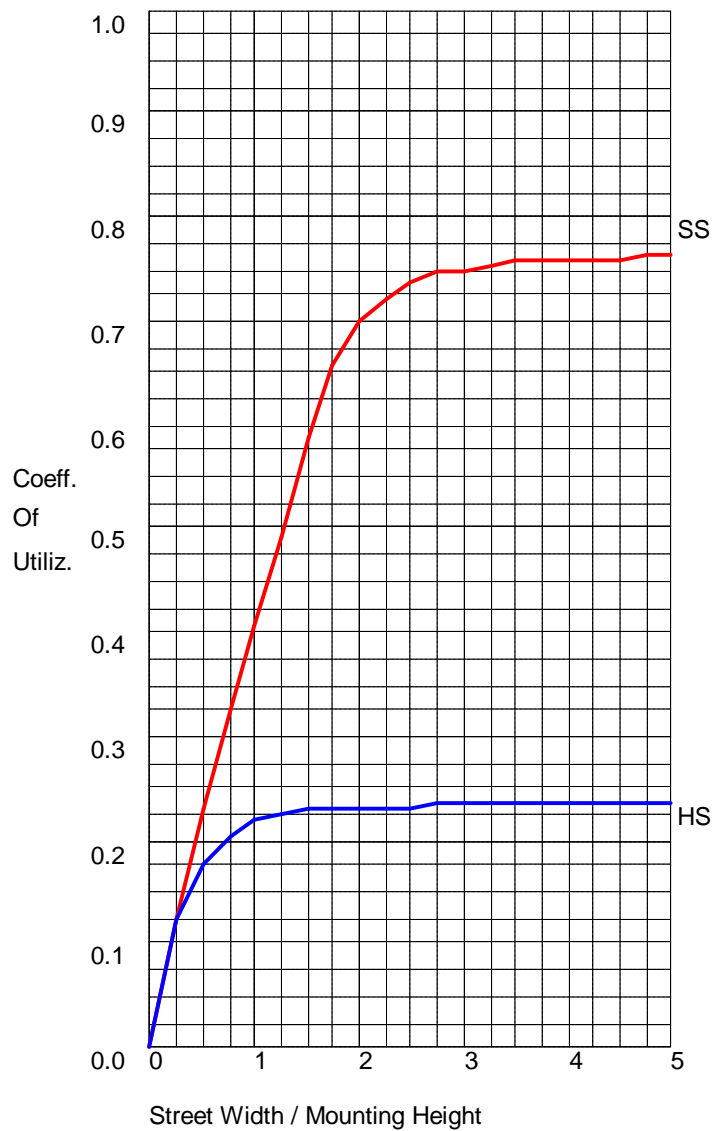
	175	180
0.0	564	564
2.5	574	576
5.0	581	582
7.5	569	570
10.0	550	550
12.5	477	474
15.0	378	375
17.5	276	272
20.0	177	175
22.5	118	115
25.0	77	75
27.5	66	63
30.0	61	59
32.5	58	55
35.0	57	52
37.5	54	49
40.0	54	48
42.5	52	46
45.0	46	40
47.5	38	32
50.0	21	15
52.5	18	12
55.0	16	11
57.5	13	11
60.0	14	12
62.5	14	13
65.0	14	13

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CANDELA TABULATION - (Cont.)

67.5	12	11
70.0	11	10
72.5	9	9
75.0	8	8
77.5	7	6
80.0	5	5
82.5	4	4
85.0	3	3
87.5	4	3
90.0	0	0

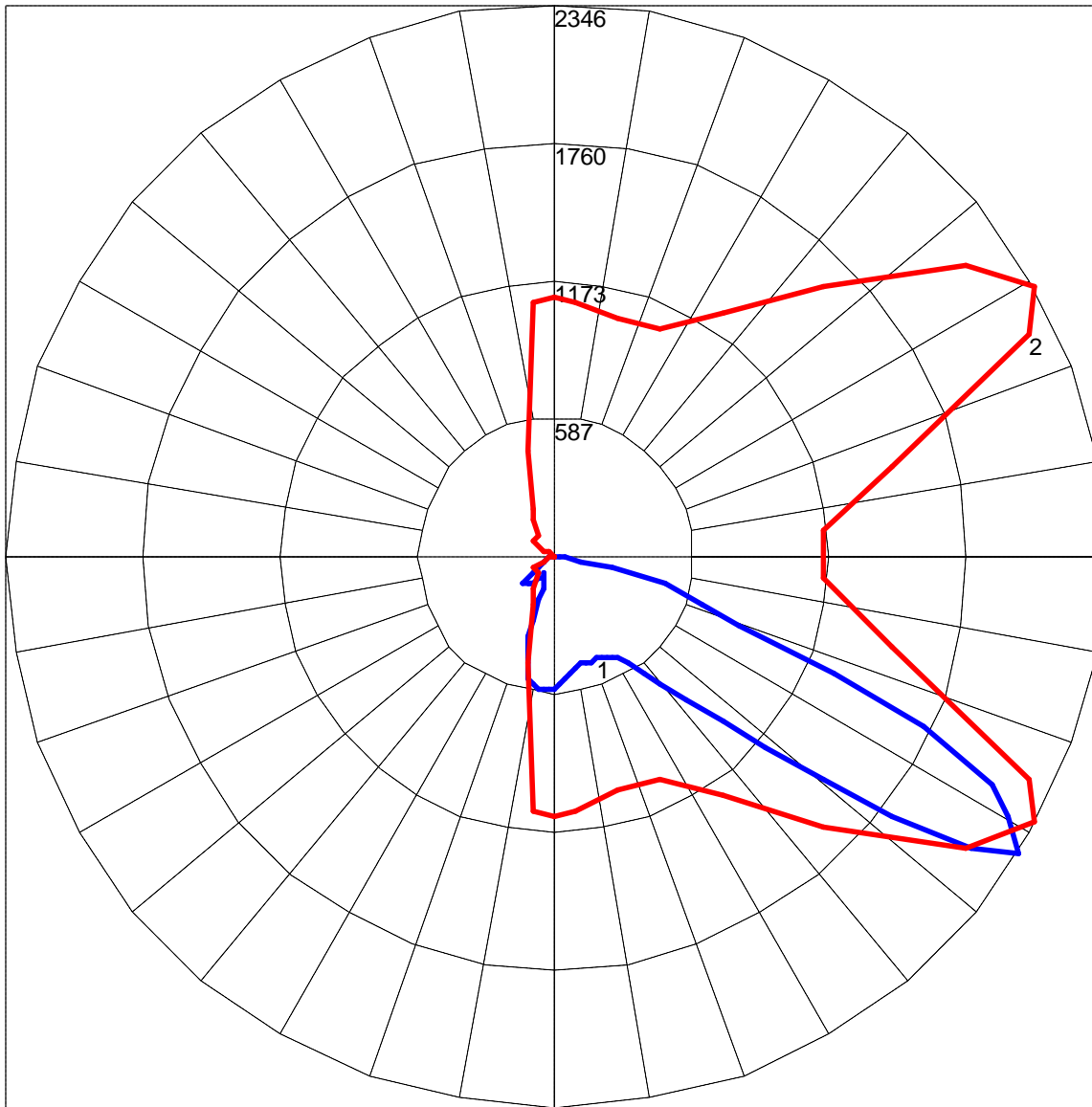
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

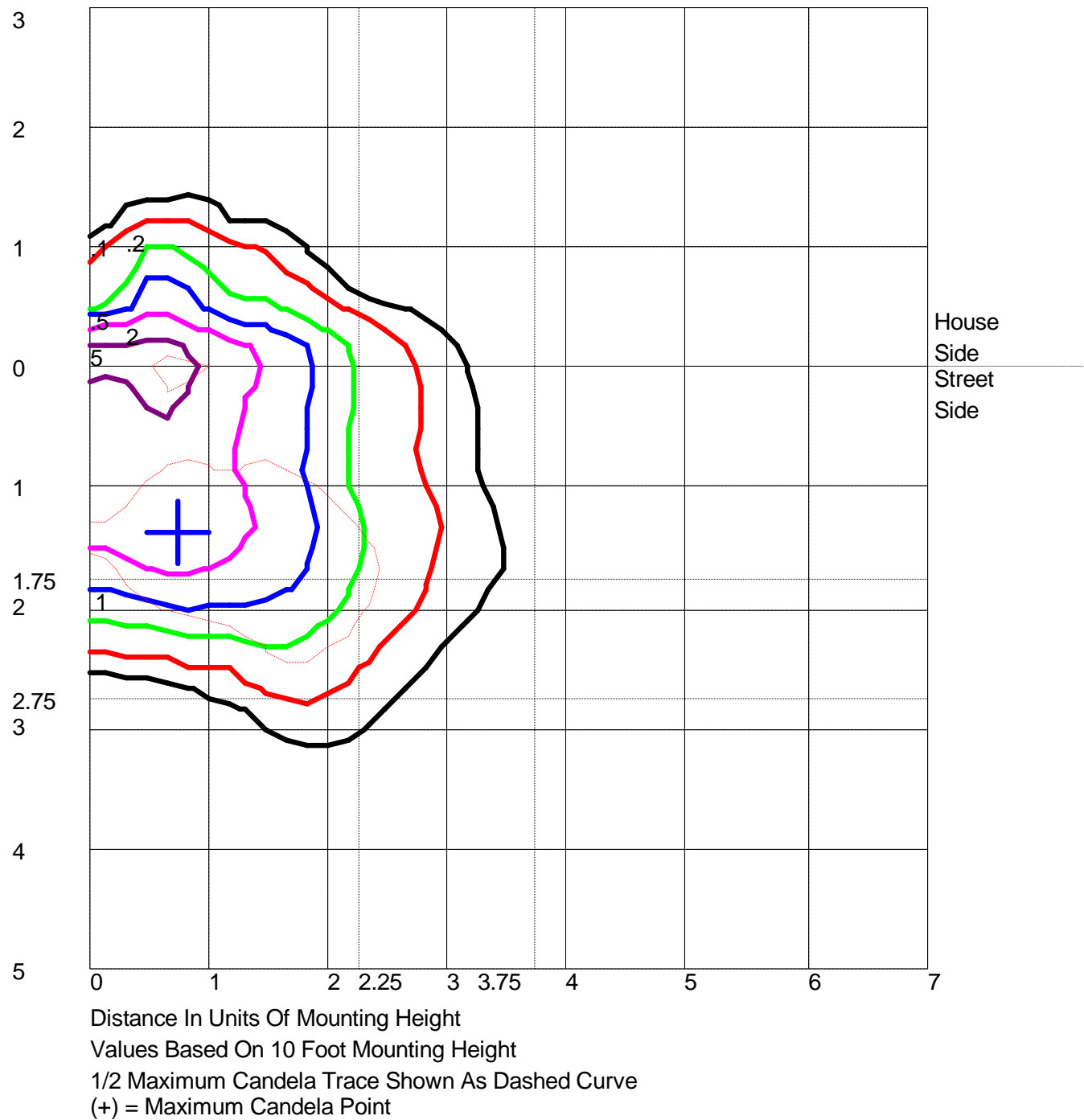
	Lumens	Percent Of Luminaire
Downward Street Side	2336.1	76.5
Downward House Side	719.4	23.5
Downward Total	3055.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3055.5	100.0

POLAR GRAPH

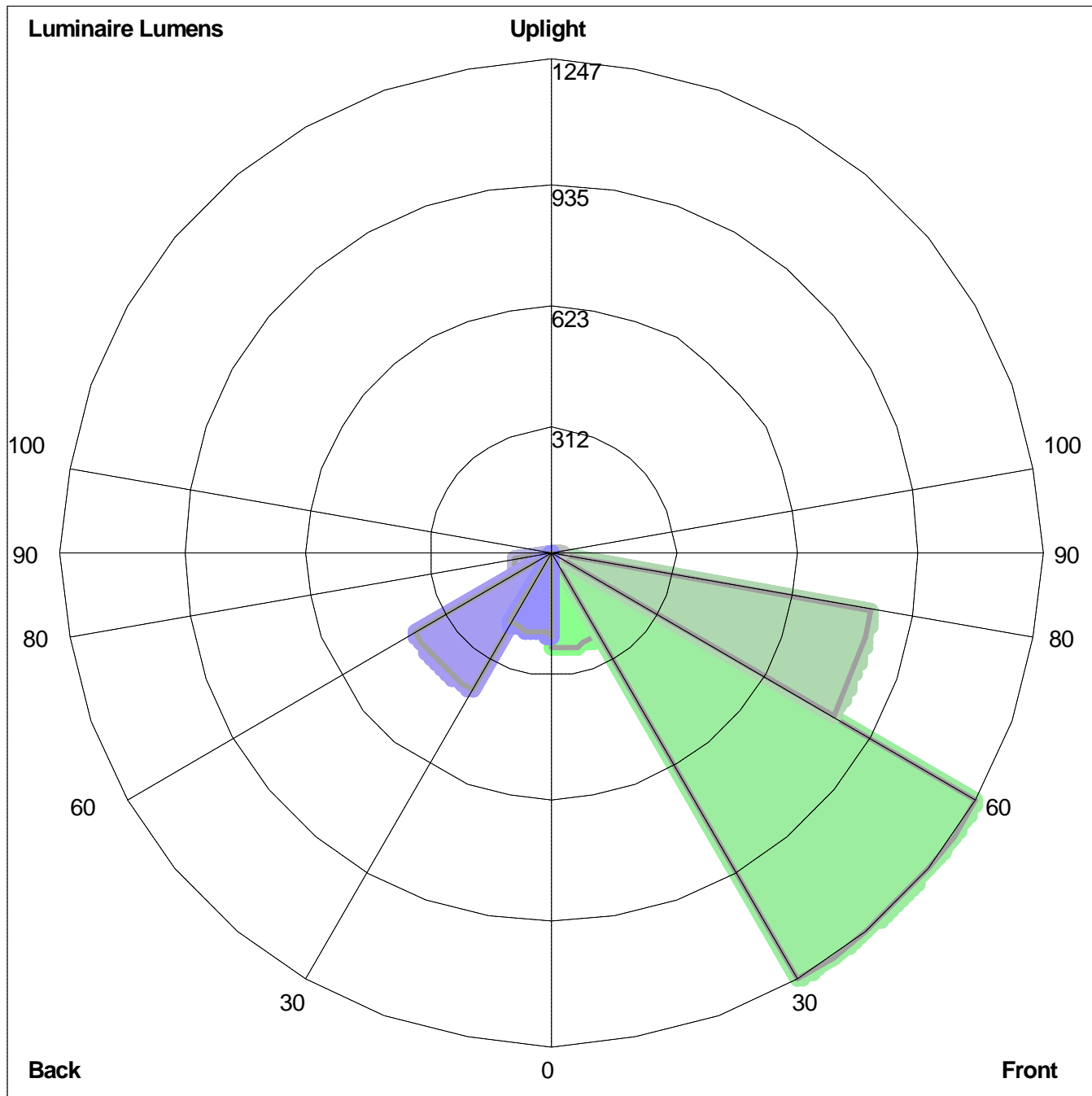


Maximum Candela = 2346 Located At Horizontal Angle = 29, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (29 - 209) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=244.3, Medium=1246.8, High=824.5, Very High=20.5
Back: Low=208.8, Medium=403.8, High=101.6, Very High=5.2
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1