



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WT-LED-28-450-NW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3075
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/22/12
[TEST DATE]03/22/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WT-LED-28-450-NW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[LED DRIVER]ELECTRONIC LED DRIVER

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3465
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	44
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2137
Maximum Candela Angle	58H 42V
Maximum Candela (<90 Degrees Vertical)	2137
Maximum Candela Angle (<90 Degrees Vertical)	58H 42V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	226 (6.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : XPWS3-WT-LED-28-450-NW-UE.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	328.4	N.A.	9.5
FM - Front-Medium (30-60)	1360.7	N.A.	39.3
FH - Front-High (60-80)	516.3	N.A.	14.9
FVH - Front-Very High (80-90)	11.2	N.A.	0.3
BL - Back-Low (0-30)	245.4	N.A.	7.1
BM - Back-Medium (30-60)	738.6	N.A.	21.3
BH - Back-High (60-80)	258.4	N.A.	7.5
BVH - Back-Very High (80-90)	6.4	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	3465.4	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>35</u>	<u>45</u>	<u>55</u>	<u>58</u>	<u>65</u>	<u>75</u>
0.0	598	598	598	598	598	598	598	598	598	598
2.5	603	598	598	591	595	597	599	598	603	602
5.0	613	608	608	593	600	601	603	602	607	605
7.5	623	618	615	602	605	605	605	603	608	605
10.0	646	640	636	629	622	617	612	609	614	610
12.5	680	673	667	657	640	635	631	626	626	621
15.0	743	734	725	703	676	662	651	643	641	633
17.5	824	815	799	768	736	704	672	661	652	648
20.0	900	892	877	843	805	762	703	687	676	664
22.5	952	945	936	910	876	828	756	741	725	709
25.0	978	973	962	954	939	896	845	825	793	758
27.5	985	980	969	977	979	981	937	914	862	793
30.0	967	964	973	981	1010	1075	1051	1017	930	890
32.5	899	900	926	968	1061	1205	1207	1174	1111	1097
35.0	828	829	848	909	1115	1363	1459	1469	1451	1289
37.5	751	753	777	845	1122	1494	1775	1831	1802	1451
40.0	685	687	714	783	1086	1606	2019	2087	2011	1504
42.0	635	636	675	784	1179	1602	2116	2137	1994	1522
42.5	632	634	658	725	1028	1604	2125	2135	1996	1526
45.0	588	590	618	692	1036	1570	1994	2009	1965	1551
47.5	543	545	583	699	1086	1490	1814	1905	1940	1561
50.0	498	500	538	721	1152	1368	1674	1804	1920	1576
52.5	446	450	500	748	1167	1246	1576	1710	1910	1654
55.0	365	371	458	782	1100	1159	1504	1653	1915	1773
57.5	272	280	390	740	1005	1095	1480	1606	1880	1797
60.0	107	116	285	641	844	1089	1471	1570	1793	1673
62.5	67	72	153	302	650	1107	1457	1516	1597	1456
65.0	42	45	110	222	368	1041	1324	1346	1411	1351
67.5	26	28	71	164	332	775	1128	1170	1176	1130
70.0	15	15	31	73	227	553	804	823	901	981
72.5	13	13	24	36	134	383	493	529	700	820
75.0	11	12	24	35	118	209	329	331	457	619
77.5	9	9	16	25	80	137	165	207	259	394
80.0	8	8	11	14	21	60	80	81	157	226
82.5	6	7	9	9	11	14	24	30	32	74
85.0	6	5	6	6	7	8	10	10	13	16
87.5	5	5	5	5	5	5	5	5	5	5
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	598	598	598	598	598	598	598	598	598	598
2.5	600	600	599	599	598	594	594	597	597	598
5.0	601	599	599	598	594	589	588	591	591	592
7.5	601	599	598	594	590	584	583	585	582	584
10.0	605	602	600	595	589	581	579	580	579	579
12.5	613	611	611	603	594	582	576	573	570	570
15.0	622	621	619	612	593	583	576	567	561	560
17.5	633	630	625	617	593	578	571	563	557	553
20.0	653	652	644	628	594	572	569	562	557	546
22.5	686	683	679	657	610	574	568	555	547	537
25.0	720	708	695	670	614	576	559	552	537	528

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CANDELA TABULATION - (Cont.)

27.5	736	724	699	670	607	567	552	543	528	520
30.0	856	839	804	732	609	562	544	539	525	515
32.5	1081	1058	1024	931	697	576	545	537	524	506
35.0	1187	1170	1117	1028	863	657	550	531	513	501
37.5	1286	1265	1207	1139	1030	804	587	524	508	489
40.0	1297	1263	1203	1161	1126	958	684	541	478	402
42.0	1278	1235	1180	1134	1123	1060	801	557	394	270
42.5	1279	1237	1179	1133	1132	1069	814	556	381	258
45.0	1246	1202	1142	1096	1117	1087	919	534	242	125
47.5	1206	1152	1089	1040	1105	1040	920	439	130	77
50.0	1218	1153	1080	1020	1088	985	701	279	100	81
52.5	1316	1240	1161	1082	1066	909	401	186	98	88
55.0	1430	1342	1266	1190	1108	769	199	179	95	80
57.5	1454	1363	1305	1257	1184	615	153	179	93	67
60.0	1373	1282	1250	1228	1208	519	167	154	92	68
62.5	1237	1165	1150	1119	1051	477	144	133	103	73
65.0	1115	1012	998	963	761	358	107	119	127	79
67.5	913	774	748	702	525	218	99	95	119	62
70.0	830	673	642	573	392	148	101	80	98	36
72.5	737	617	552	442	260	131	92	66	51	27
75.0	518	412	383	280	123	102	72	50	28	30
77.5	321	265	254	163	69	51	39	37	26	22
80.0	160	128	121	77	33	26	24	22	13	9
82.5	72	69	68	21	13	14	12	9	11	6
85.0	15	13	12	9	7	7	6	5	5	4
87.5	5	5	5	5	4	4	4	4	4	4
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

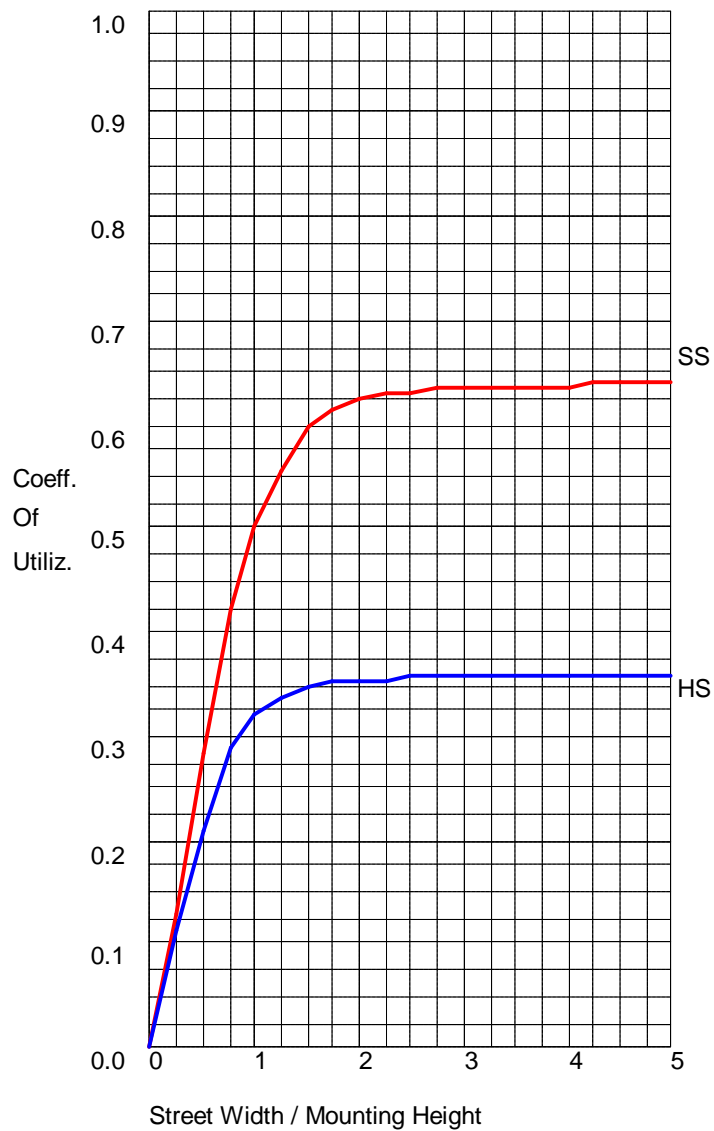
	<u>175</u>	<u>180</u>
0.0	598	598
2.5	594	594
5.0	588	588
7.5	579	578
10.0	572	571
12.5	561	559
15.0	554	551
17.5	547	544
20.0	539	537
22.5	530	529
25.0	521	520
27.5	515	515
30.0	506	505
32.5	495	494
35.0	485	482
37.5	455	451
40.0	341	333
42.0	213	205
42.5	201	193
45.0	84	80
47.5	68	67
50.0	68	65
52.5	66	63
55.0	61	57
57.5	60	54

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CANDELA TABULATION - (Cont.)

60.0	62	61
62.5	63	70
65.0	55	63
67.5	33	32
70.0	20	19
72.5	12	12
75.0	10	9
77.5	7	7
80.0	5	5
82.5	4	5
85.0	4	5
87.5	4	5
90.0	0	0

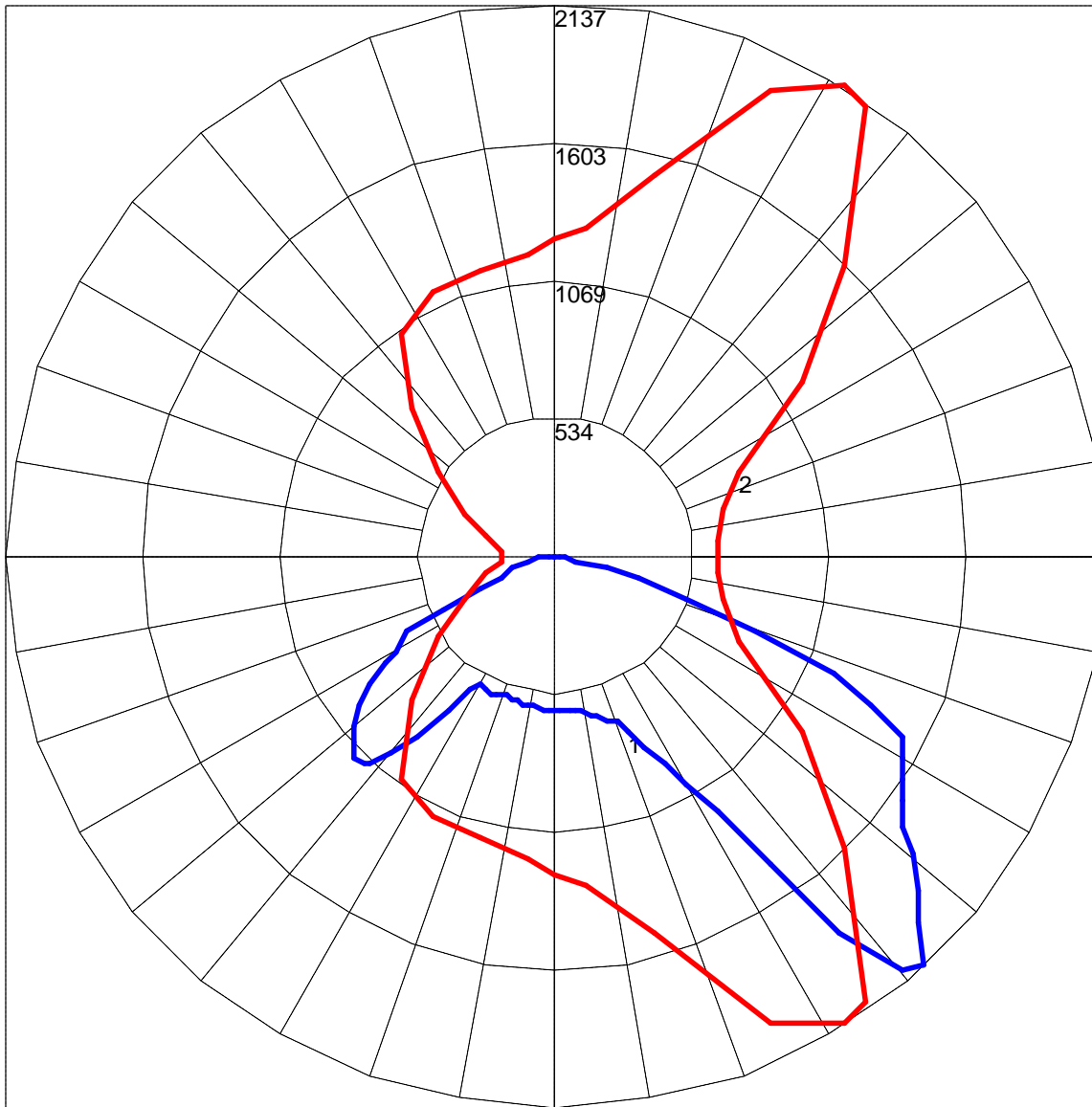
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

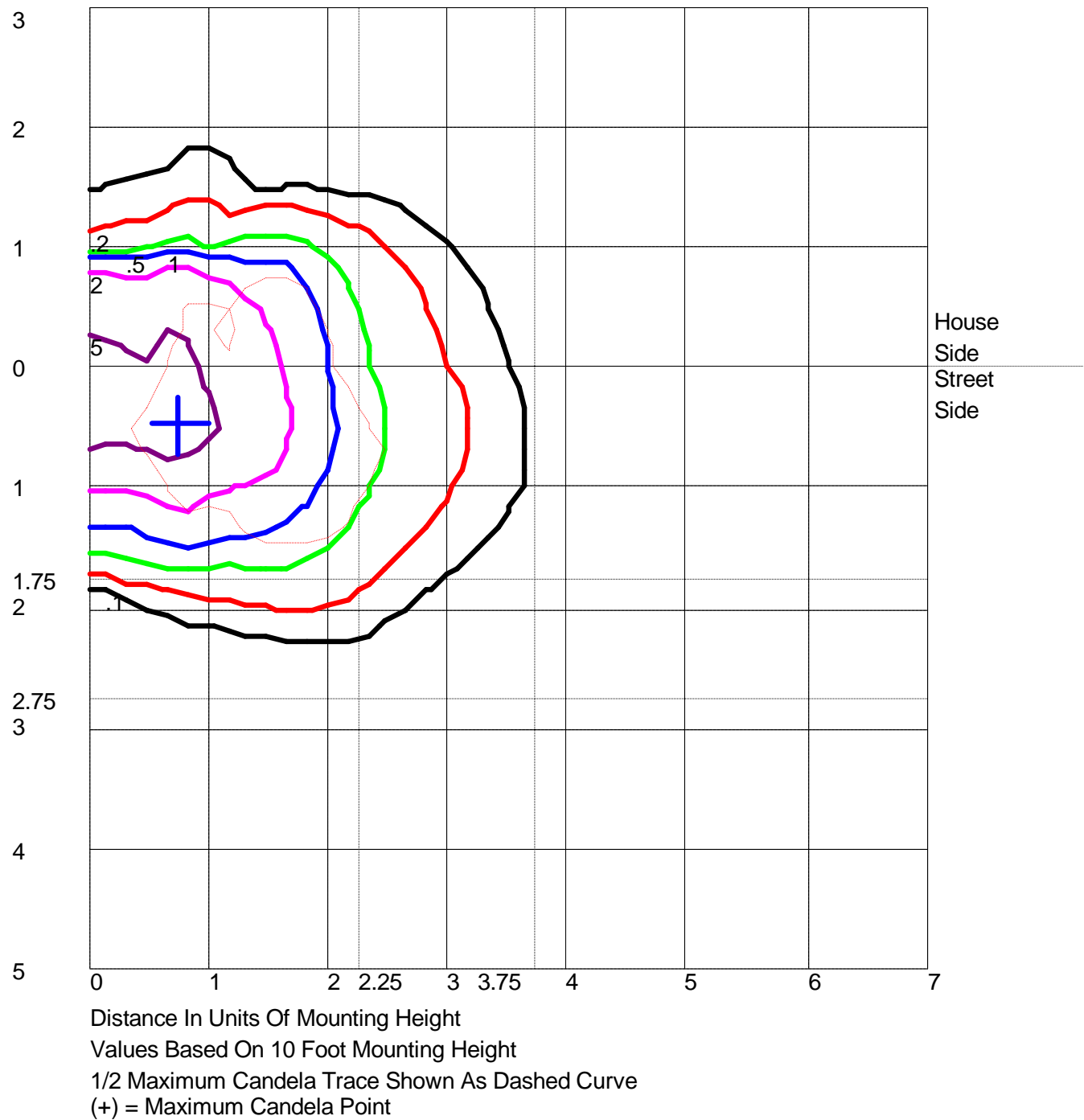
	Lumens	Percent Of Luminaire
Downward Street Side	2216.6	64.0
Downward House Side	1248.8	36.0
Downward Total	3465.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3465.4	100.0

POLAR GRAPH

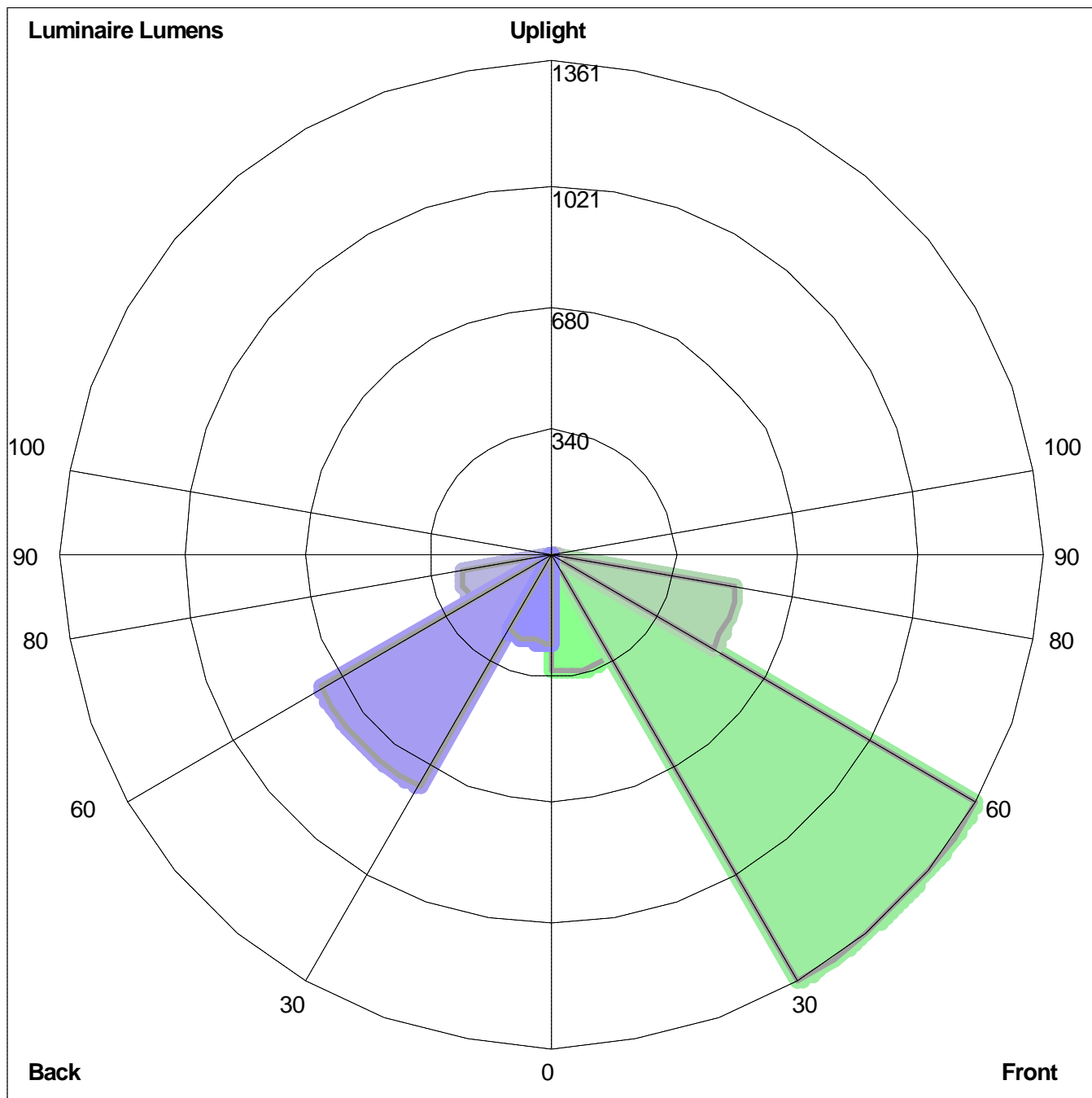


Maximum Candela = 2137 Located At Horizontal Angle = 58, Vertical Angle = 42
1 - Vertical Plane Through Horizontal Angles (58 - 238) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=328.4, Medium=1360.7, High=516.3, Very High=11.2
Back: Low=245.4, Medium=738.6, High=258.4, Very High=6.4
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1