



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-FT-LED-48-350-NW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3078
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/22/12
[TEST DATE]03/22/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-FT-LED-48-350-NW-UE
[LEDDRIVER]ELECTRONIC LED DRIVER
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4863
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	55
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3363
Maximum Candela Angle	26H 56V
Maximum Candela (<90 Degrees Vertical)	3363
Maximum Candela Angle (<90 Degrees Vertical)	26H 56V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	301 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	476.4	N.A.	9.8
FM - Front-Medium (30-60)	1953.5	N.A.	40.2
FH - Front-High (60-80)	1221.3	N.A.	25.1
FVH - Front-Very High (80-90)	22.6	N.A.	0.5
BL - Back-Low (0-30)	418.0	N.A.	8.6
BM - Back-Medium (30-60)	629.0	N.A.	12.9
BH - Back-High (60-80)	136.2	N.A.	2.8
BVH - Back-Very High (80-90)	5.7	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	4862.7	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>26</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	1214	1214	1214	1214	1214	1214	1214	1214	1214	1214
2.5	1181	1175	1176	1176	1173	1186	1196	1203	1213	1223
5.0	1105	1100	1103	1102	1104	1126	1144	1162	1187	1210
7.5	1040	1036	1041	1047	1053	1076	1104	1129	1162	1198
10.0	1008	1004	1006	1014	1018	1034	1063	1097	1145	1191
12.5	992	988	992	1001	1001	1013	1034	1063	1126	1190
15.0	983	979	982	989	990	1002	1022	1044	1105	1193
17.5	974	969	978	984	985	996	1011	1030	1082	1199
20.0	971	967	980	981	983	991	1008	1026	1081	1215
22.5	964	961	979	979	980	987	1009	1036	1105	1263
25.0	959	957	967	974	976	992	1016	1070	1204	1413
27.5	959	957	961	975	977	991	1042	1152	1373	1616
30.0	956	955	967	983	985	1007	1107	1290	1537	1768
32.5	954	956	972	989	992	1041	1220	1435	1636	1801
35.0	974	972	977	1003	1007	1094	1352	1536	1641	1758
37.5	1041	1035	1022	1030	1036	1195	1470	1575	1595	1700
40.0	1121	1115	1104	1125	1133	1339	1545	1582	1551	1628
42.5	1233	1221	1191	1271	1291	1526	1598	1564	1522	1550
45.0	1387	1370	1317	1483	1513	1727	1667	1538	1483	1464
47.5	1650	1625	1530	1773	1811	1917	1750	1514	1457	1397
50.0	1964	1931	1827	2207	2230	2113	1809	1506	1436	1399
52.5	2276	2256	2207	2735	2745	2358	1886	1561	1451	1424
55.0	2272	2258	2370	3264	3258	2689	1988	1687	1482	1441
56.0	2277	2258	2380	3340	3363	2908	2121	1750	1486	1450
57.5	2297	2274	2399	3309	3328	3082	2270	1795	1482	1449
60.0	2241	2236	2508	3296	3293	3125	2678	1869	1475	1439
62.5	1936	1942	2392	3203	3223	3167	2955	1987	1430	1317
65.0	1382	1409	1909	2711	2766	3200	2927	2150	1259	1034
67.5	755	774	1019	1800	1899	2856	2882	2030	1103	842
70.0	367	375	517	1084	1171	2025	2369	1783	1111	730
72.5	122	126	187	644	720	1333	1500	1492	1088	626
75.0	50	52	73	326	372	754	831	931	890	493
77.5	31	32	46	160	186	345	344	418	632	395
80.0	22	23	33	77	88	171	136	177	296	301
82.5	15	16	21	27	30	56	60	76	119	116
85.0	10	10	11	14	15	17	19	29	45	29
87.5	5	5	5	5	6	6	6	6	6	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	1214	1214	1214	1214	1214	1214	1214	1214	1214	1214
2.5	1227	1229	1230	1233	1232	1227	1224	1227	1225	1225
5.0	1225	1230	1235	1244	1245	1242	1237	1237	1231	1229
7.5	1224	1234	1242	1252	1251	1239	1223	1214	1202	1197
10.0	1230	1245	1253	1262	1252	1228	1205	1191	1177	1169
12.5	1252	1273	1282	1280	1249	1218	1193	1167	1131	1101
15.0	1290	1329	1344	1328	1265	1217	1167	1097	1016	949
17.5	1335	1396	1423	1397	1304	1224	1102	964	834	744
20.0	1389	1471	1500	1453	1352	1214	996	790	633	517
22.5	1500	1594	1613	1515	1388	1160	851	597	421	319
25.0	1692	1791	1796	1632	1434	1070	695	405	269	207

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CANDELA TABULATION - (Cont.)

27.5	1921	2017	1994	1786	1492	992	547	279	183	145
30.0	2049	2125	2086	1881	1493	890	452	220	135	125
32.5	2004	2073	2004	1833	1386	768	418	220	124	119
35.0	1944	2038	1950	1741	1203	651	442	270	127	118
37.5	1875	1958	1893	1652	1042	595	479	317	135	115
40.0	1829	1907	1839	1535	872	604	520	353	143	118
42.5	1772	1871	1789	1398	695	597	513	316	145	115
45.0	1680	1796	1714	1246	555	547	444	268	185	109
47.5	1596	1723	1668	1095	462	462	360	263	224	109
50.0	1529	1681	1679	974	392	362	305	286	205	90
52.5	1513	1661	1688	865	362	299	280	259	132	62
55.0	1483	1542	1545	744	337	274	235	202	90	74
56.0	1464	1504	1480	680	321	276	208	159	79	66
57.5	1453	1481	1445	632	300	274	175	127	66	50
60.0	1413	1418	1372	545	258	266	95	92	51	36
62.5	1187	1195	1145	428	206	203	81	67	45	30
65.0	1010	993	917	316	159	96	72	56	37	29
67.5	857	822	719	209	115	74	59	43	31	25
70.0	720	679	583	166	88	63	64	46	24	20
72.5	546	495	396	128	73	56	66	41	19	14
75.0	382	389	268	106	59	51	58	31	14	10
77.5	219	218	167	58	46	41	43	23	10	8
80.0	166	176	119	31	34	26	21	13	9	7
82.5	78	70	53	23	23	13	10	8	7	4
85.0	17	16	13	12	11	9	5	4	3	3
87.5	6	6	5	4	4	4	3	2	2	2
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

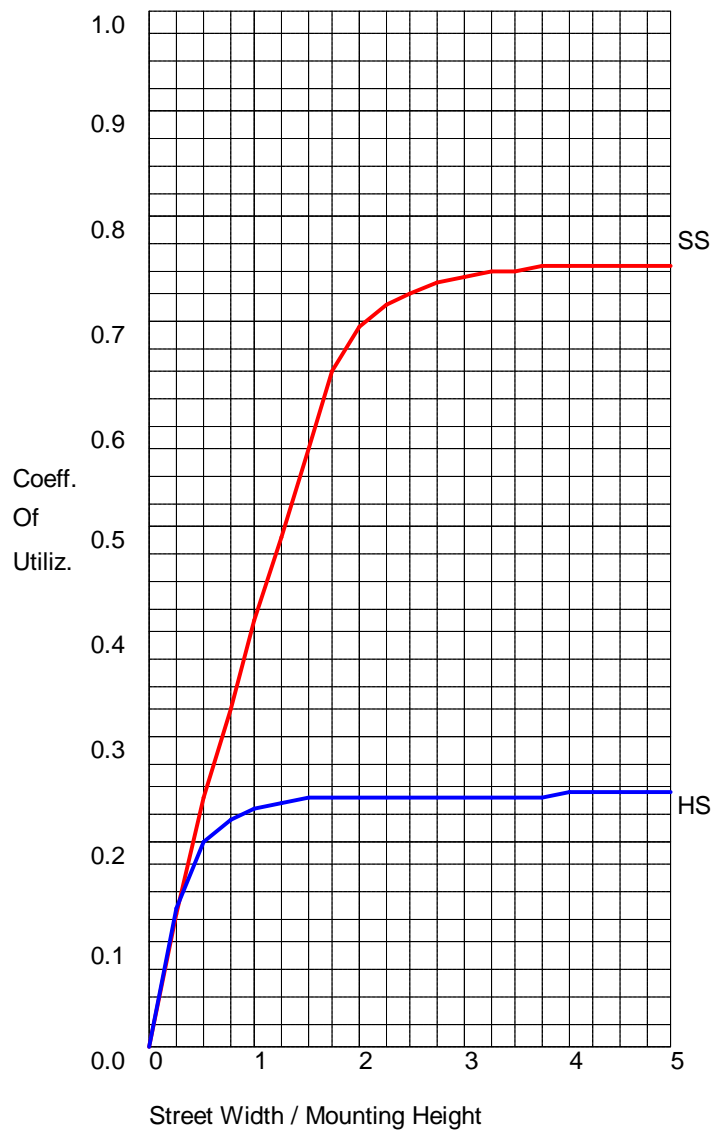
	<u>175</u>	<u>180</u>
0.0	1214	1214
2.5	1220	1218
5.0	1223	1220
7.5	1189	1184
10.0	1159	1153
12.5	1076	1071
15.0	909	899
17.5	692	684
20.0	457	451
22.5	277	274
25.0	175	172
27.5	119	115
30.0	103	101
32.5	97	94
35.0	92	88
37.5	89	83
40.0	88	88
42.5	86	86
45.0	83	81
47.5	73	67
50.0	38	31
52.5	22	15
55.0	19	14
56.0	16	13
57.5	16	14

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CANDELA TABULATION - (Cont.)

60.0	18	15
62.5	20	19
65.0	21	20
67.5	19	18
70.0	15	14
72.5	12	10
75.0	9	8
77.5	7	6
80.0	6	5
82.5	4	3
85.0	2	1
87.5	2	1
90.0	0	0

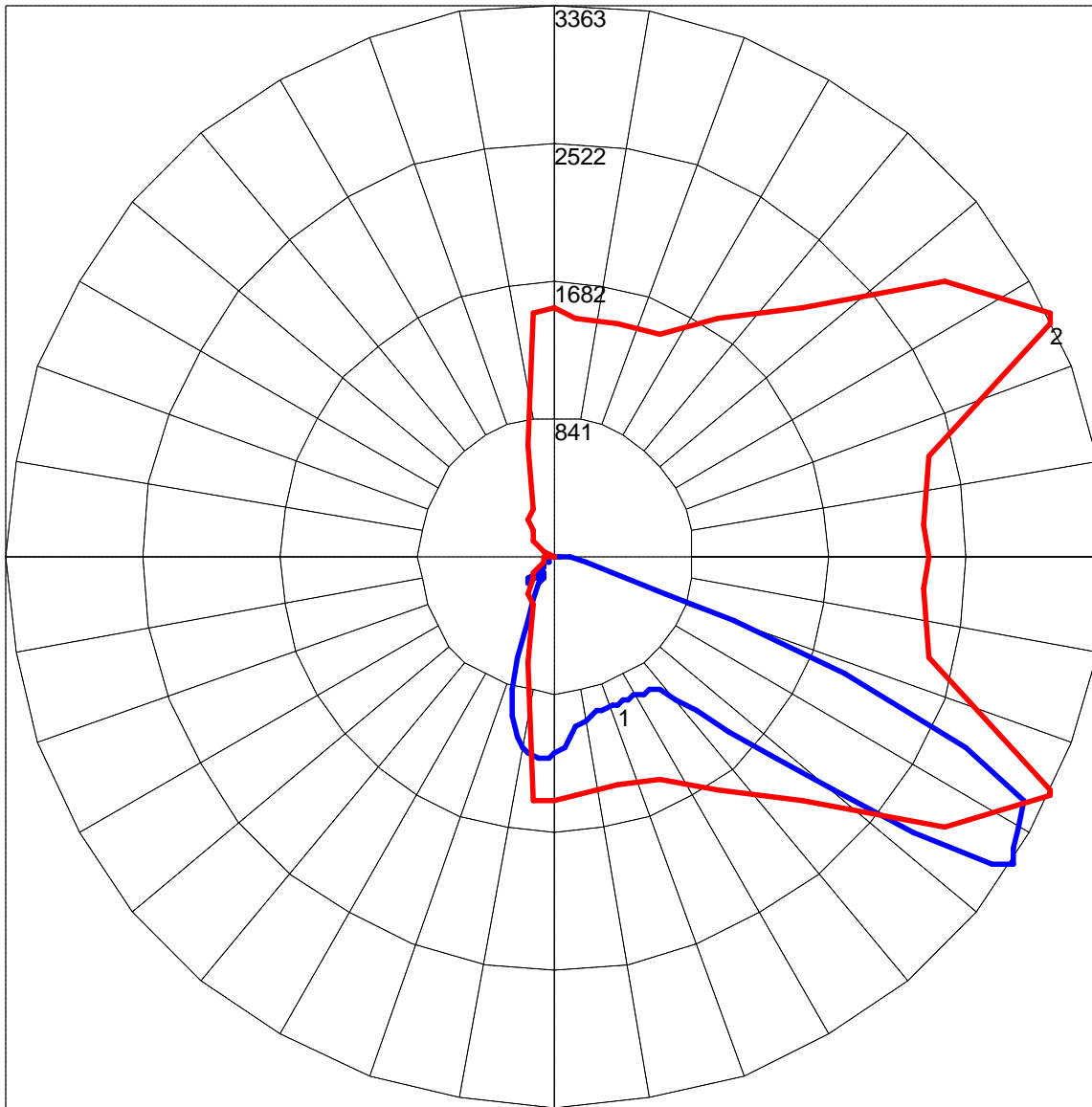
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

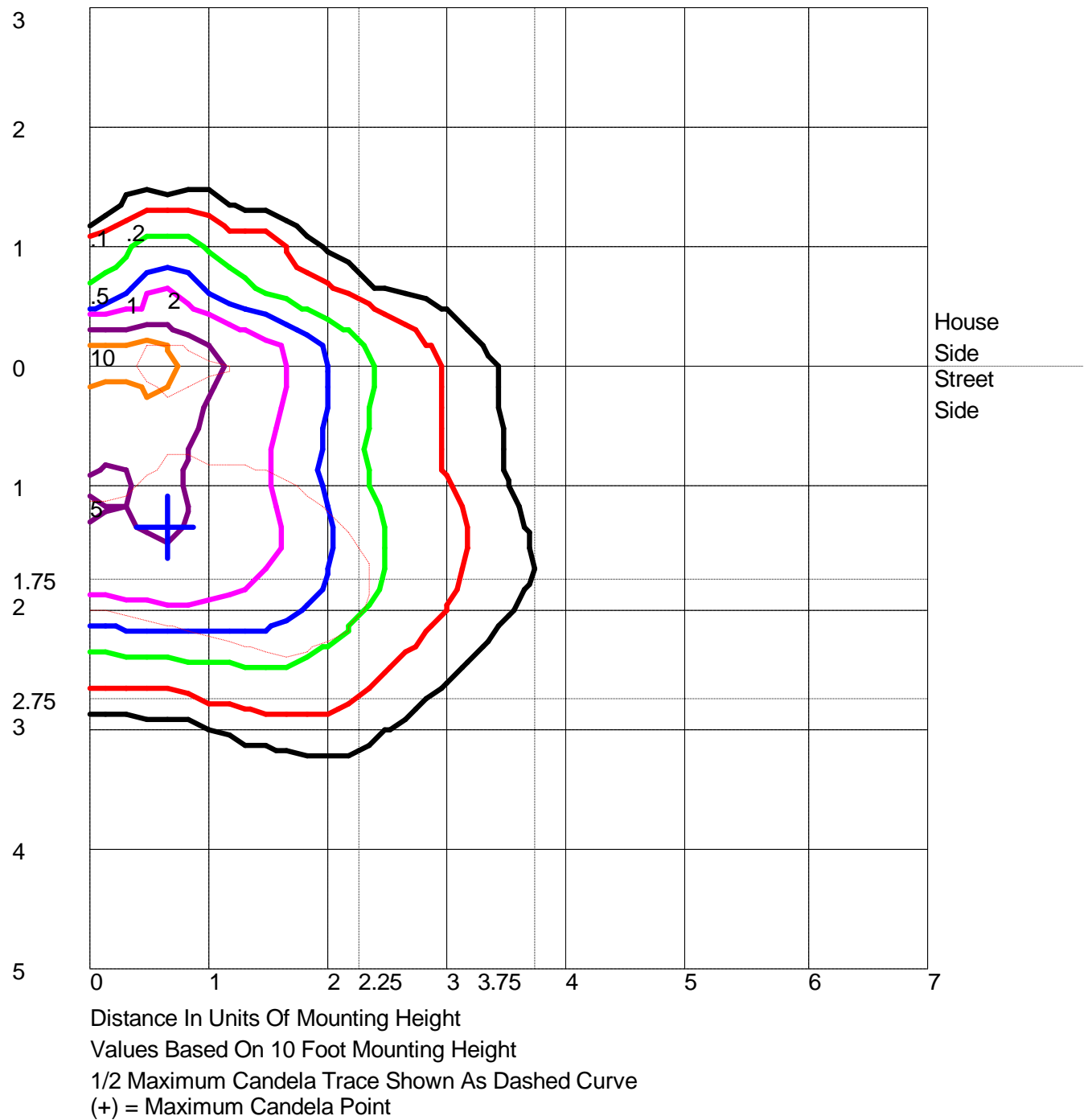
	Lumens	Percent Of Luminaire
Downward Street Side	3673.9	75.6
Downward House Side	1188.8	24.4
Downward Total	4862.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4862.7	100.0

POLAR GRAPH

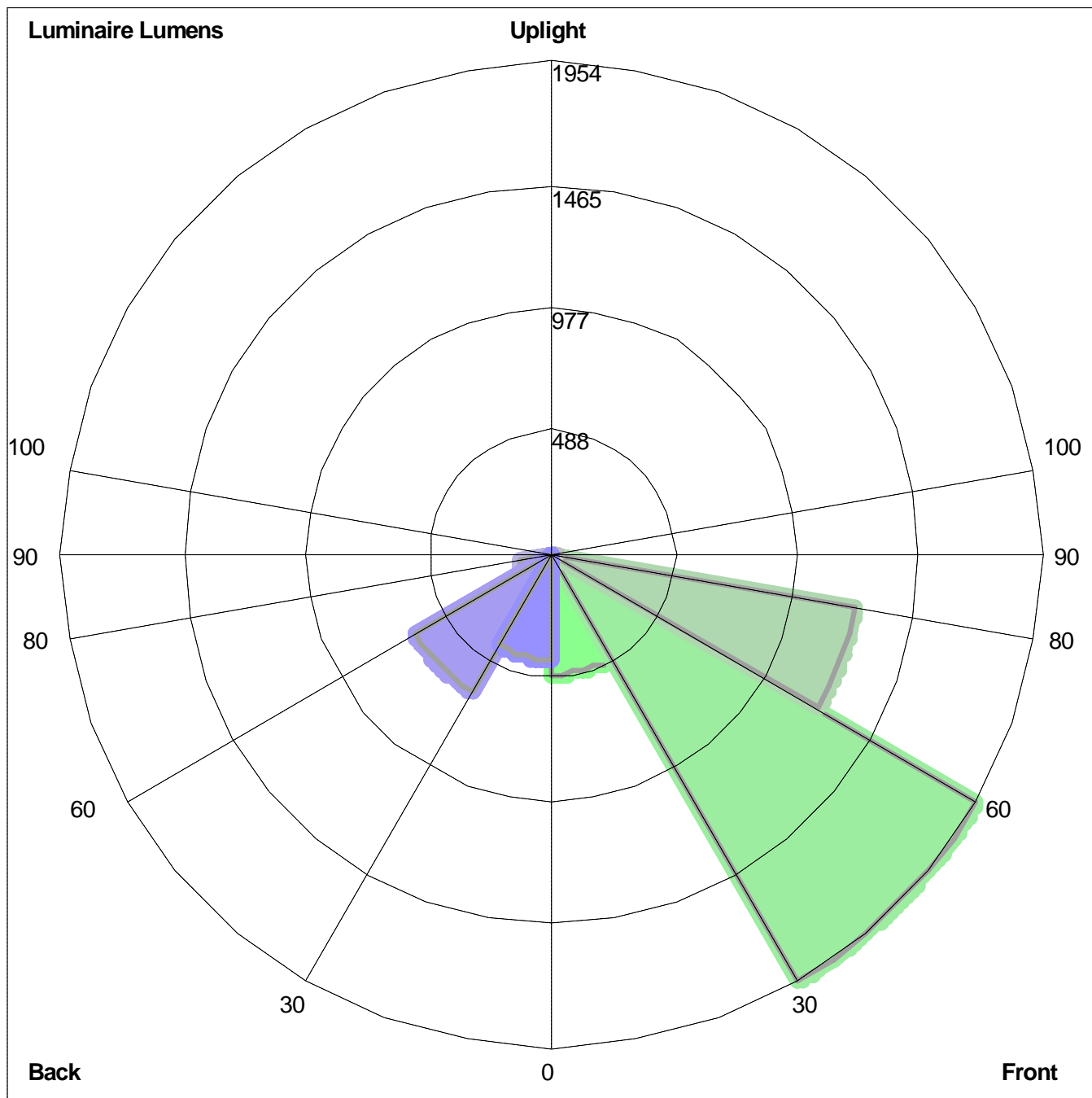


Maximum Candela = 3363 Located At Horizontal Angle = 26, Vertical Angle = 56
1 - Vertical Plane Through Horizontal Angles (26 - 206) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (56) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=476.4, Medium=1953.5, High=1221.3, Very High=22.6
Back: Low=418.0, Medium=629.0, High=136.2, Very High=5.7
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1