



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3077
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/22/12
[TEST DATE]03/22/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WT-LED-48-350-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	4791
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	55
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2776
Maximum Candela Angle	59H 42V
Maximum Candela (<90 Degrees Vertical)	2776
Maximum Candela Angle (<90 Degrees Vertical)	59H 42V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	237 (4.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	576.6	N.A.	12.0
FM - Front-Medium (30-60)	1911.1	N.A.	39.9
FH - Front-High (60-80)	587.7	N.A.	12.3
FVH - Front-Very High (80-90)	11.0	N.A.	0.2
BL - Back-Low (0-30)	425.2	N.A.	8.9
BM - Back-Medium (30-60)	993.3	N.A.	20.7
BH - Back-High (60-80)	279.7	N.A.	5.8
BVH - Back-Very High (80-90)	5.9	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	4790.5	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>35</u>	<u>45</u>	<u>55</u>	<u>59</u>	<u>65</u>	<u>75</u>
0.0	1064	1064	1064	1064	1064	1064	1064	1064	1064	1064
2.5	1063	1057	1059	1058	1066	1070	1075	1076	1081	1082
5.0	1078	1072	1073	1065	1077	1080	1083	1084	1088	1087
7.5	1097	1092	1092	1084	1090	1089	1088	1088	1090	1085
10.0	1136	1129	1130	1123	1118	1107	1096	1094	1092	1085
12.5	1213	1203	1196	1178	1157	1134	1119	1114	1107	1097
15.0	1326	1313	1295	1254	1220	1184	1152	1140	1131	1112
17.5	1477	1463	1429	1372	1318	1258	1188	1166	1147	1132
20.0	1624	1607	1575	1513	1442	1353	1242	1210	1180	1153
22.5	1710	1700	1688	1640	1570	1463	1323	1287	1244	1210
25.0	1747	1739	1733	1713	1679	1577	1444	1390	1323	1265
27.5	1756	1750	1752	1746	1747	1715	1569	1503	1401	1305
30.0	1710	1711	1736	1750	1795	1840	1731	1648	1503	1401
32.5	1591	1602	1641	1706	1848	1974	1941	1868	1709	1594
35.0	1456	1463	1513	1599	1861	2114	2192	2182	2056	1756
37.5	1326	1330	1387	1482	1791	2223	2461	2516	2406	1892
40.0	1222	1224	1274	1372	1691	2252	2662	2738	2637	1970
42.0	1140	1144	1190	1288	1598	2210	2763	2776	2637	2007
42.5	1130	1134	1180	1277	1591	2195	2755	2772	2633	2005
45.0	1056	1058	1106	1200	1565	2097	2601	2641	2581	2038
47.5	981	983	1039	1173	1585	1971	2355	2505	2537	2060
50.0	900	901	953	1165	1592	1825	2158	2356	2495	2083
52.5	800	806	875	1153	1557	1659	1997	2216	2449	2137
55.0	653	663	773	1127	1458	1523	1877	2101	2377	2196
57.5	504	512	636	1005	1317	1416	1799	1997	2268	2174
60.0	229	242	448	853	1085	1355	1746	1886	2114	2026
62.5	104	108	213	419	837	1303	1659	1736	1842	1742
65.0	67	69	140	259	465	1175	1494	1522	1584	1579
67.5	40	42	78	159	348	874	1254	1311	1287	1285
70.0	17	18	37	76	229	556	882	916	989	1096
72.5	15	15	26	42	139	389	536	611	763	910
75.0	12	13	25	35	104	215	342	357	490	678
77.5	10	10	17	24	80	126	178	221	266	415
80.0	7	8	11	15	21	60	83	83	153	237
82.5	6	6	8	9	10	13	25	32	32	72
85.0	5	5	5	5	6	6	8	9	11	15
87.5	4	4	4	4	4	4	4	4	4	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	1064	1064	1064	1064	1064	1064	1064	1064	1064	1064
2.5	1083	1080	1079	1077	1069	1061	1053	1050	1044	1041
5.0	1085	1081	1078	1075	1065	1055	1044	1041	1033	1029
7.5	1081	1076	1073	1067	1055	1044	1034	1029	1020	1016
10.0	1079	1072	1067	1059	1045	1033	1022	1014	1006	1001
12.5	1087	1080	1077	1064	1045	1028	1011	1000	991	986
15.0	1097	1091	1086	1074	1040	1026	1008	990	977	973
17.5	1110	1101	1093	1077	1038	1016	994	979	969	961
20.0	1133	1126	1112	1087	1038	1005	991	973	964	954
22.5	1170	1162	1151	1123	1052	994	979	959	945	938
25.0	1203	1186	1167	1135	1044	987	960	951	930	920

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CANDELA TABULATION - (Cont.)

27.5	1232	1213	1186	1144	1022	972	948	937	918	908
30.0	1327	1305	1268	1198	1035	963	931	928	914	899
32.5	1529	1497	1457	1342	1111	992	924	917	910	888
35.0	1610	1572	1521	1418	1244	1060	936	906	896	880
37.5	1674	1635	1573	1484	1374	1175	981	895	887	849
40.0	1688	1637	1568	1512	1450	1296	1051	918	820	630
42.0	1670	1610	1543	1486	1472	1382	1148	927	602	367
42.5	1662	1603	1536	1479	1468	1385	1152	918	574	343
45.0	1625	1558	1488	1428	1449	1405	1224	744	313	152
47.5	1575	1496	1423	1360	1424	1352	1146	481	154	109
50.0	1569	1480	1399	1331	1392	1283	769	270	135	115
52.5	1628	1530	1444	1367	1361	1166	388	208	135	118
55.0	1699	1589	1504	1439	1379	895	201	215	139	110
57.5	1688	1576	1505	1465	1420	618	181	221	129	94
60.0	1594	1478	1433	1412	1390	476	187	196	118	84
62.5	1437	1333	1305	1285	1134	426	165	166	129	88
65.0	1271	1119	1092	1072	760	328	128	148	149	87
67.5	1039	859	823	781	502	215	110	115	137	77
70.0	938	746	704	634	373	159	110	88	110	47
72.5	811	658	595	466	242	135	99	71	54	33
75.0	574	446	416	282	114	92	73	44	30	31
77.5	354	284	272	160	66	46	46	35	25	22
80.0	181	139	131	77	29	24	28	21	13	9
82.5	71	67	64	18	11	12	10	8	11	4
85.0	14	12	10	9	5	6	5	4	4	3
87.5	4	4	4	4	3	4	4	3	3	3
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

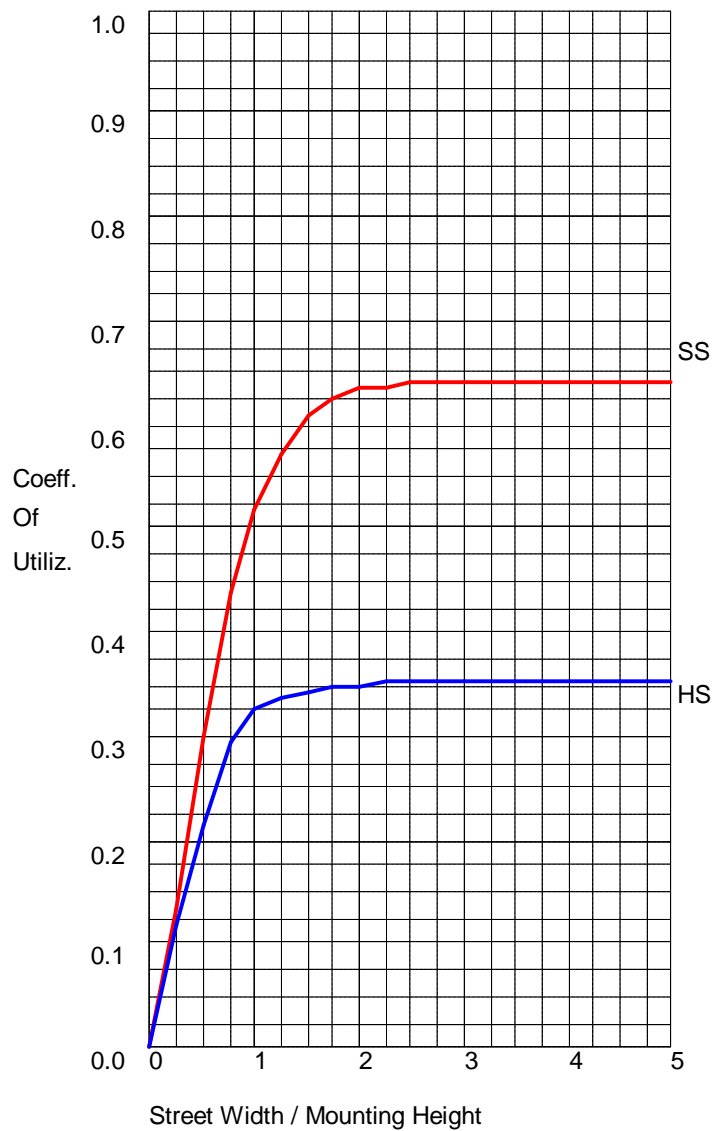
	<u>175</u>	<u>180</u>
0.0	1064	1064
2.5	1035	1032
5.0	1023	1020
7.5	1008	1003
10.0	990	985
12.5	975	971
15.0	962	959
17.5	951	946
20.0	941	935
22.5	929	927
25.0	913	912
27.5	897	897
30.0	883	882
32.5	870	869
35.0	852	850
37.5	773	762
40.0	504	489
42.0	276	263
42.5	257	243
45.0	109	104
47.5	95	94
50.0	97	94
52.5	99	94
55.0	93	88
57.5	87	85

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CANDELA TABULATION - (Cont.)

60.0	84	84
62.5	82	81
65.0	73	75
67.5	51	50
70.0	28	26
72.5	15	15
75.0	12	12
77.5	8	8
80.0	5	4
82.5	4	4
85.0	3	3
87.5	3	3
90.0	0	0

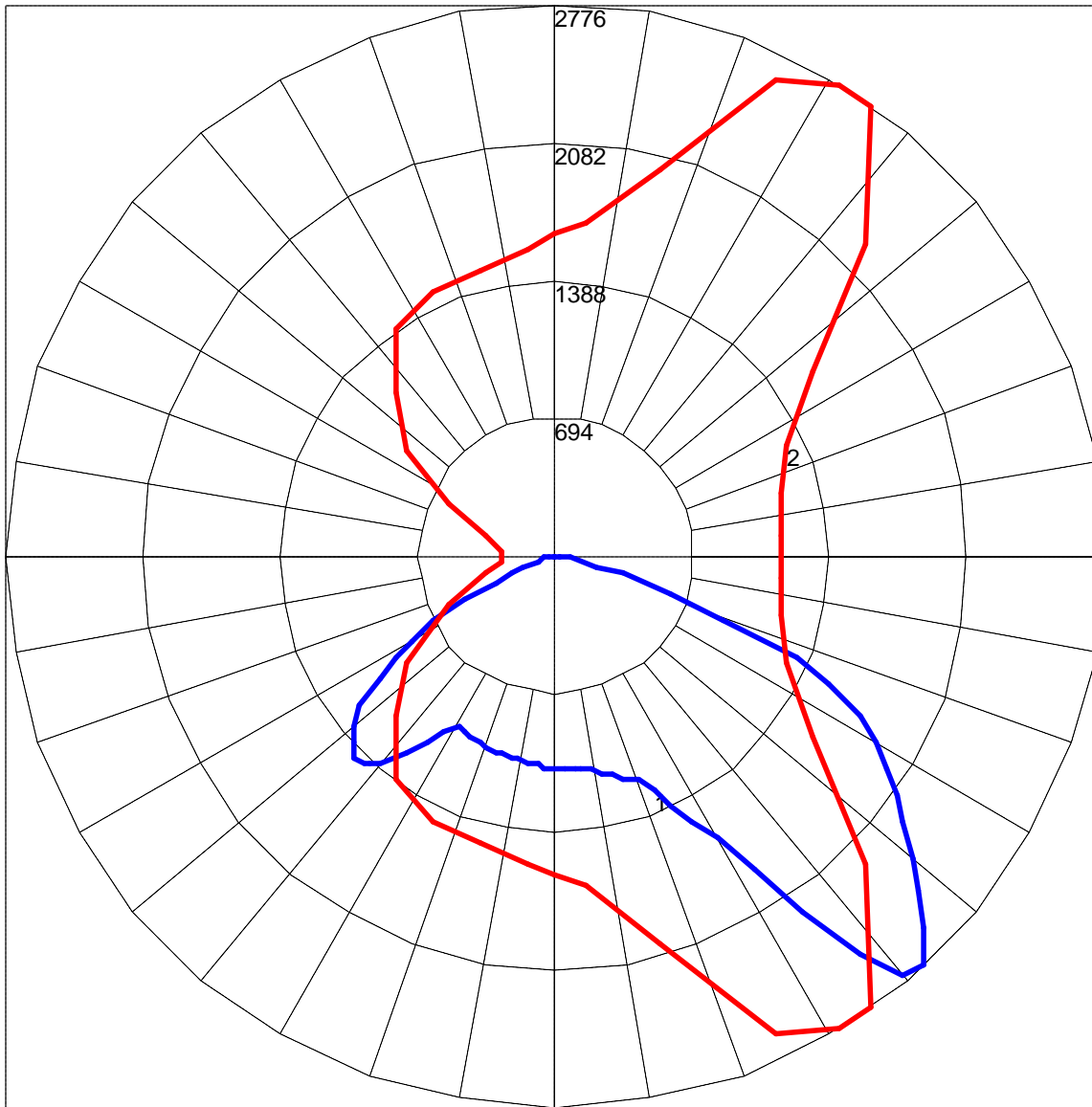
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

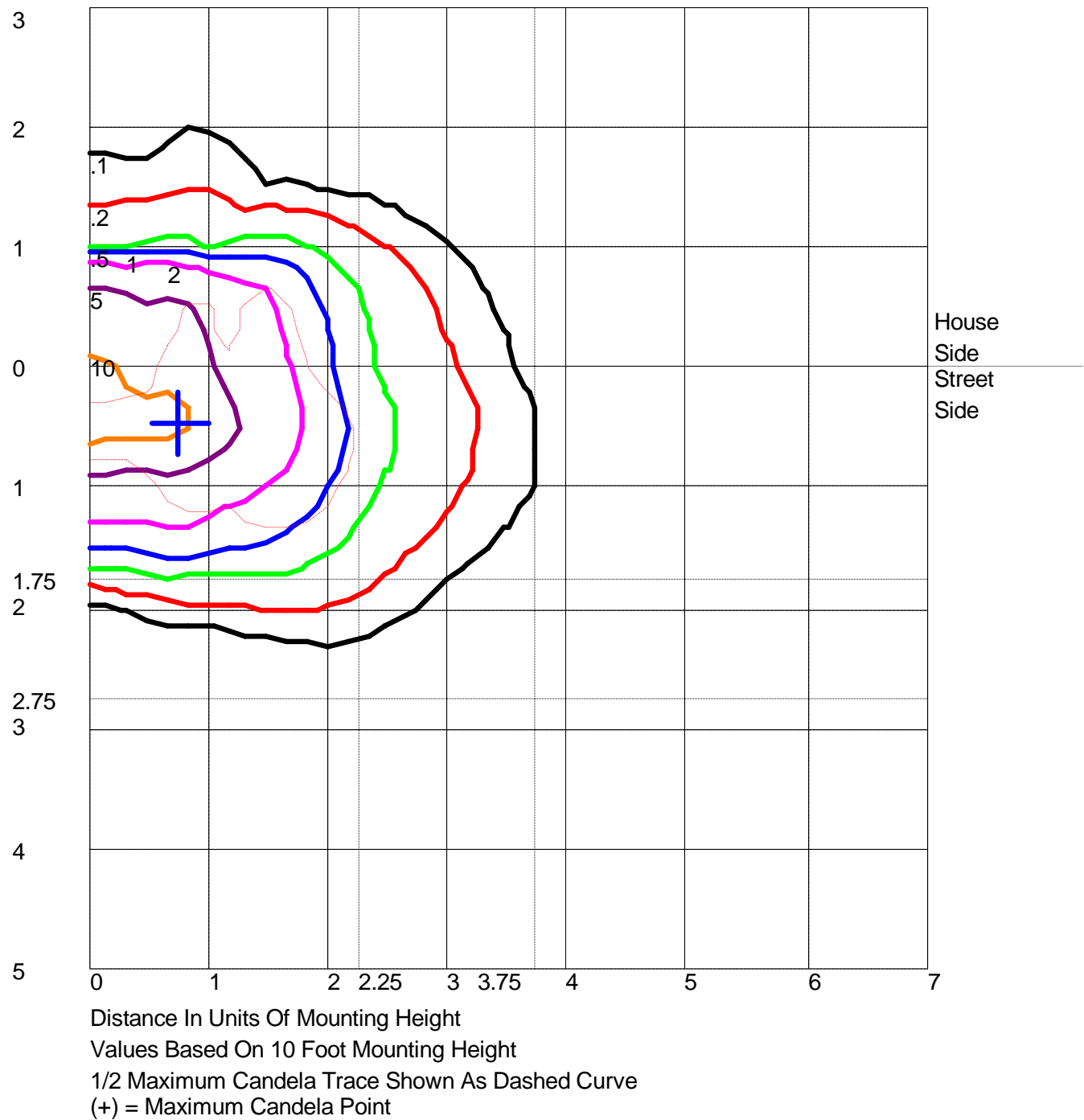
	Lumens	Percent Of Luminaire
Downward Street Side	3086.4	64.4
Downward House Side	1704.2	35.6
Downward Total	4790.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4790.6	100.0

POLAR GRAPH

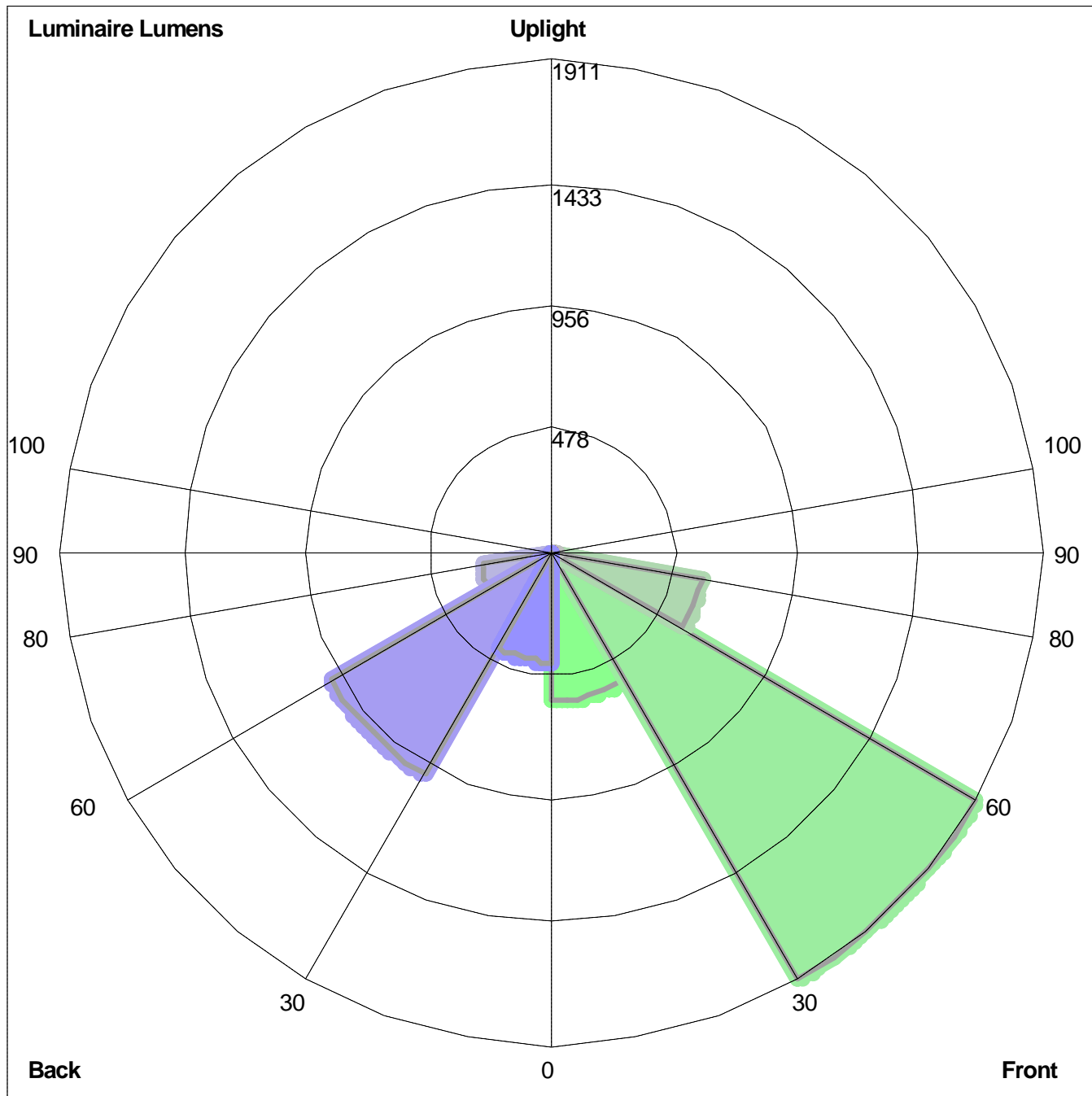


Maximum Candela = 2776 Located At Horizontal Angle = 59, Vertical Angle = 42
1 - Vertical Plane Through Horizontal Angles (59 - 239) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=576.6, Medium=1911.1, High=587.7, Very High=11.0
Back: Low=425.2, Medium=993.3, High=279.7, Very High=5.9
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1