



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WT-LED-48-450-CW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3067
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/21/12
[TEST DATE]03/21/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WT-LED-48-450-CW-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	6144
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3586
Maximum Candela Angle	57H 42V
Maximum Candela (<90 Degrees Vertical)	3586
Maximum Candela Angle (<90 Degrees Vertical)	57H 42V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	288 (4.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WT-LED-48-450-CW-UE.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	737.6	N.A.	12.0
FM - Front-Medium (30-60)	2448.9	N.A.	39.9
FH - Front-High (60-80)	750.4	N.A.	12.2
FVH - Front-Very High (80-90)	12.8	N.A.	0.2
BL - Back-Low (0-30)	544.6	N.A.	8.9
BM - Back-Medium (30-60)	1282.2	N.A.	20.9
BH - Back-High (60-80)	360.8	N.A.	5.9
BVH - Back-Very High (80-90)	6.6	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	6143.9	N.A.	100.0
BUG Rating	B2-U0-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WT-LED-48-450-CW-UE.IES

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>57</u>	<u>65</u>	<u>75</u>
0.0	1363	1363	1363	1363	1363	1363	1363	1363	1363	1363
2.5	1365	1355	1358	1356	1366	1374	1378	1375	1386	1386
5.0	1384	1375	1377	1367	1381	1386	1388	1385	1395	1391
7.5	1410	1402	1402	1391	1398	1397	1394	1389	1397	1391
10.0	1468	1457	1456	1444	1436	1423	1405	1399	1400	1392
12.5	1568	1556	1545	1524	1492	1461	1438	1430	1424	1407
15.0	1701	1687	1663	1618	1575	1533	1479	1467	1453	1428
17.5	1880	1859	1820	1753	1691	1623	1536	1516	1473	1455
20.0	2056	2037	1997	1919	1833	1734	1605	1582	1518	1485
22.5	2179	2168	2147	2078	1984	1856	1700	1679	1600	1554
25.0	2246	2237	2229	2189	2127	1997	1837	1807	1708	1620
27.5	2262	2255	2253	2245	2233	2165	1991	1948	1811	1652
30.0	2202	2203	2228	2254	2301	2336	2180	2125	1907	1760
32.5	2055	2068	2129	2197	2368	2530	2416	2368	2158	2017
35.0	1873	1881	1955	2068	2389	2717	2774	2765	2608	2268
37.5	1698	1706	1778	1908	2322	2854	3167	3204	3075	2471
40.0	1562	1565	1632	1760	2186	2912	3451	3507	3355	2536
42.0	1456	1459	1548	1644	2056	2841	3557	3586	3369	2565
42.5	1444	1448	1506	1633	2048	2835	3563	3584	3361	2566
45.0	1345	1349	1410	1541	2007	2710	3355	3391	3306	2600
47.5	1248	1250	1324	1510	2013	2532	3034	3133	3256	2613
50.0	1148	1151	1215	1484	2033	2339	2771	2903	3195	2627
52.5	1043	1047	1130	1470	1982	2130	2567	2698	3116	2702
55.0	861	875	1027	1461	1855	1953	2421	2546	3024	2813
57.5	630	643	831	1342	1695	1818	2332	2444	2892	2794
60.0	251	267	545	1074	1434	1751	2261	2348	2695	2583
62.5	133	138	280	495	1047	1713	2156	2208	2349	2227
65.0	77	80	189	323	546	1554	1935	1955	2044	2014
67.5	50	53	107	198	460	1092	1645	1675	1633	1635
70.0	21	23	49	97	302	736	1115	1147	1265	1413
72.5	17	19	34	51	180	496	675	703	983	1161
75.0	14	15	28	43	142	264	429	432	628	845
77.5	11	12	22	30	99	160	212	239	331	520
80.0	8	8	13	18	25	68	93	94	190	288
82.5	7	7	9	10	12	15	26	30	38	83
85.0	5	5	5	5	7	7	9	10	13	16
87.5	4	4	4	4	3	4	4	4	4	4
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	1363	1363	1363	1363	1363	1363	1363	1363	1363	1363
2.5	1389	1385	1383	1380	1371	1360	1350	1346	1338	1335
5.0	1390	1385	1382	1378	1364	1351	1338	1333	1323	1319
7.5	1385	1379	1375	1367	1351	1337	1323	1319	1308	1303
10.0	1384	1377	1369	1358	1339	1324	1308	1300	1288	1284
12.5	1394	1388	1381	1366	1340	1319	1296	1281	1268	1264
15.0	1406	1401	1394	1378	1336	1315	1292	1269	1253	1246
17.5	1423	1410	1399	1381	1332	1305	1278	1256	1242	1232
20.0	1455	1443	1425	1399	1335	1289	1270	1249	1235	1222
22.5	1502	1488	1472	1444	1349	1283	1254	1232	1214	1202
25.0	1543	1518	1491	1465	1340	1269	1236	1220	1195	1180

IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WT-LED-48-450-CW-UE.IES

CANDELA TABULATION - (Cont.)

27.5	1551	1521	1479	1444	1312	1249	1218	1203	1179	1162
30.0	1681	1644	1593	1492	1288	1229	1196	1191	1170	1150
32.5	1960	1919	1864	1712	1391	1228	1185	1175	1165	1139
35.0	2091	2050	1982	1846	1589	1321	1176	1160	1147	1126
37.5	2171	2127	2048	1948	1788	1495	1200	1147	1132	1089
40.0	2163	2106	2019	1945	1892	1680	1319	1155	1066	862
42.0	2134	2065	1980	1899	1879	1799	1459	1068	831	533
42.5	2129	2059	1974	1893	1876	1805	1472	1133	797	500
45.0	2077	2004	1914	1826	1847	1801	1601	983	461	248
47.5	2009	1925	1836	1742	1804	1723	1533	693	237	136
50.0	1996	1896	1797	1700	1767	1636	1081	407	173	142
52.5	2080	1965	1857	1739	1722	1502	569	276	170	156
55.0	2175	2048	1941	1832	1742	1209	287	270	173	144
57.5	2167	2033	1946	1871	1788	855	239	283	161	121
60.0	2052	1908	1851	1804	1757	653	243	250	148	113
62.5	1840	1718	1683	1640	1476	570	218	220	155	114
65.0	1615	1439	1414	1382	1010	433	167	191	184	113
67.5	1323	1104	1059	992	663	272	147	148	178	92
70.0	1189	957	911	813	481	203	146	116	148	65
72.5	1017	836	765	607	303	178	131	84	79	42
75.0	715	564	525	365	150	123	93	58	41	39
77.5	437	356	339	200	78	62	57	46	33	27
80.0	211	171	158	85	38	28	34	27	16	10
82.5	82	79	73	23	13	14	14	10	10	5
85.0	15	13	11	10	5	6	5	4	3	2
87.5	4	4	4	3	3	2	3	2	2	2
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

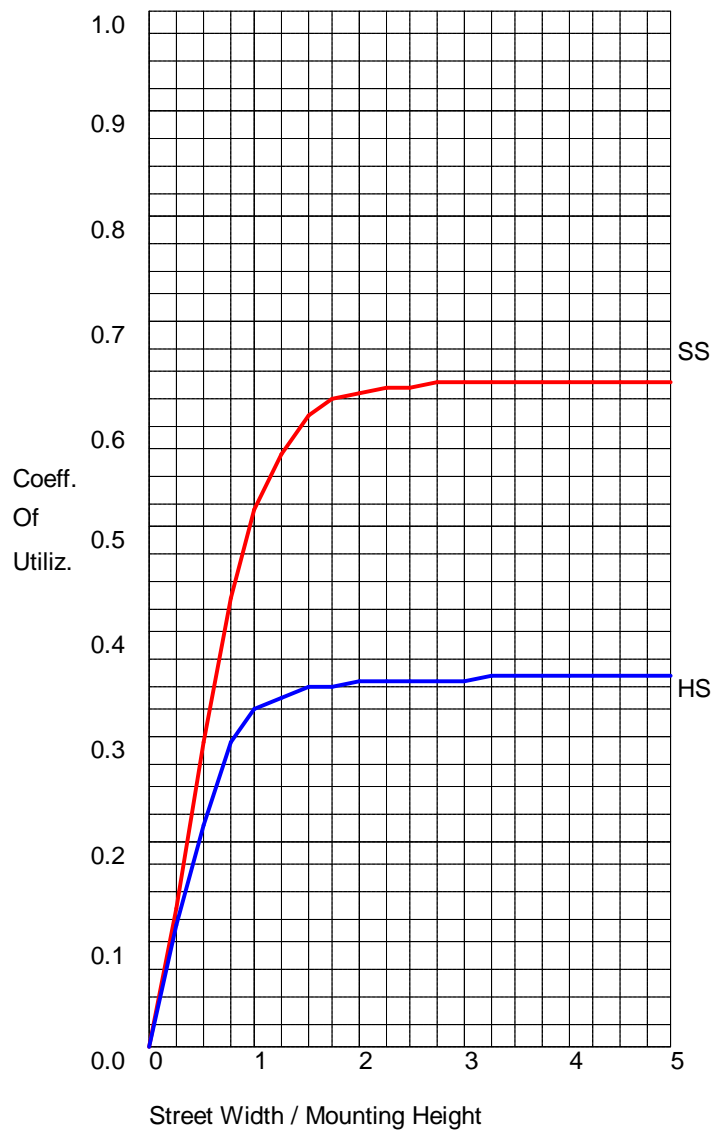
	<u>175</u>	<u>180</u>
0.0	1363	1363
2.5	1327	1324
5.0	1312	1307
7.5	1293	1288
10.0	1269	1263
12.5	1250	1245
15.0	1234	1228
17.5	1218	1213
20.0	1205	1198
22.5	1193	1188
25.0	1173	1171
27.5	1150	1148
30.0	1130	1128
32.5	1114	1111
35.0	1094	1089
37.5	1009	999
40.0	702	682
42.0	411	395
42.5	382	367
45.0	175	166
47.5	121	119
50.0	121	119
52.5	120	118
55.0	112	106
57.5	110	102

IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WT-LED-48-450-CW-UE.IES

CANDELA TABULATION - (Cont.)

60.0	107	109
62.5	103	118
65.0	88	96
67.5	68	66
70.0	40	38
72.5	19	19
75.0	15	14
77.5	9	9
80.0	4	5
82.5	3	3
85.0	2	3
87.5	2	2
90.0	0	0

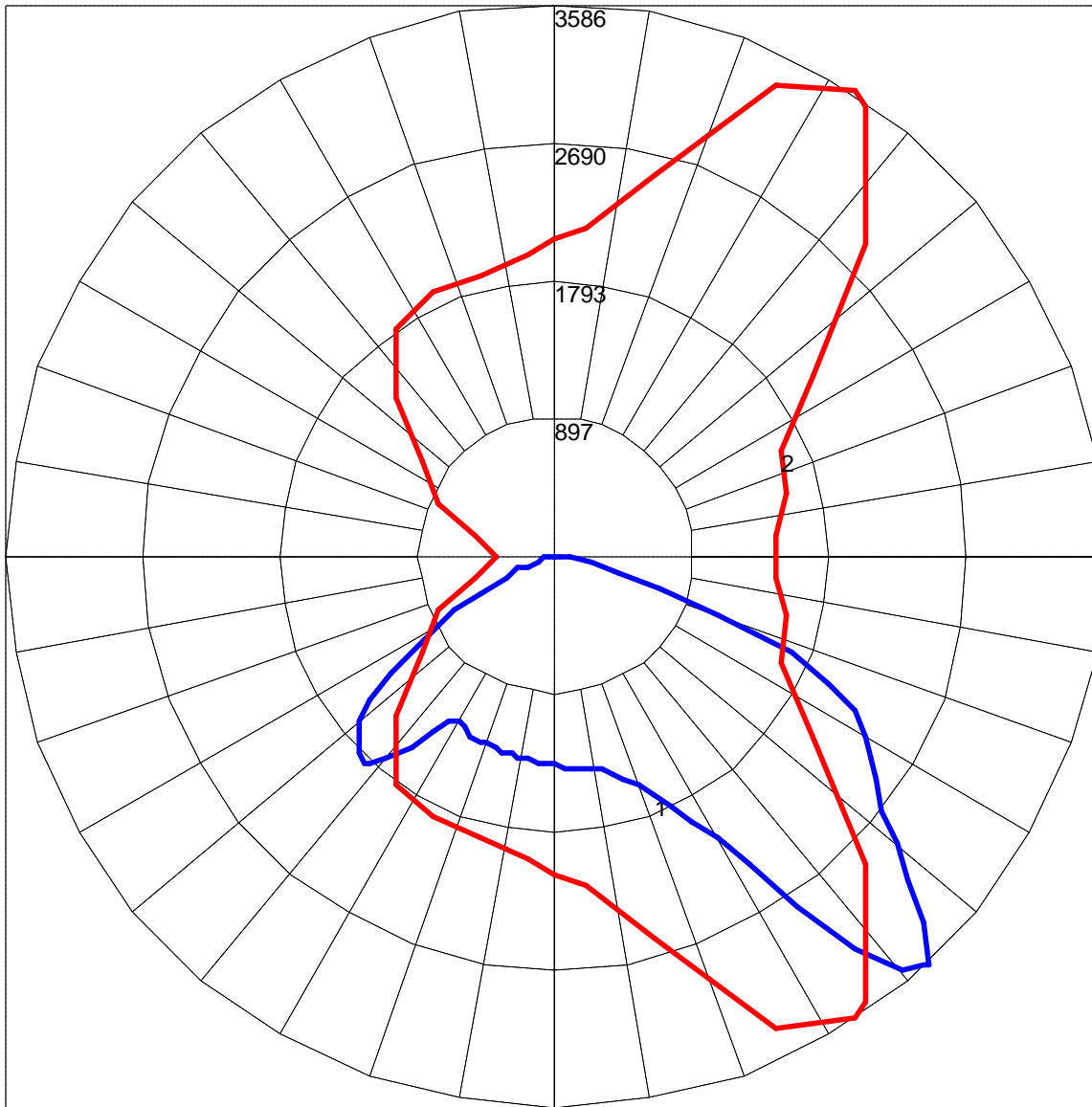
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

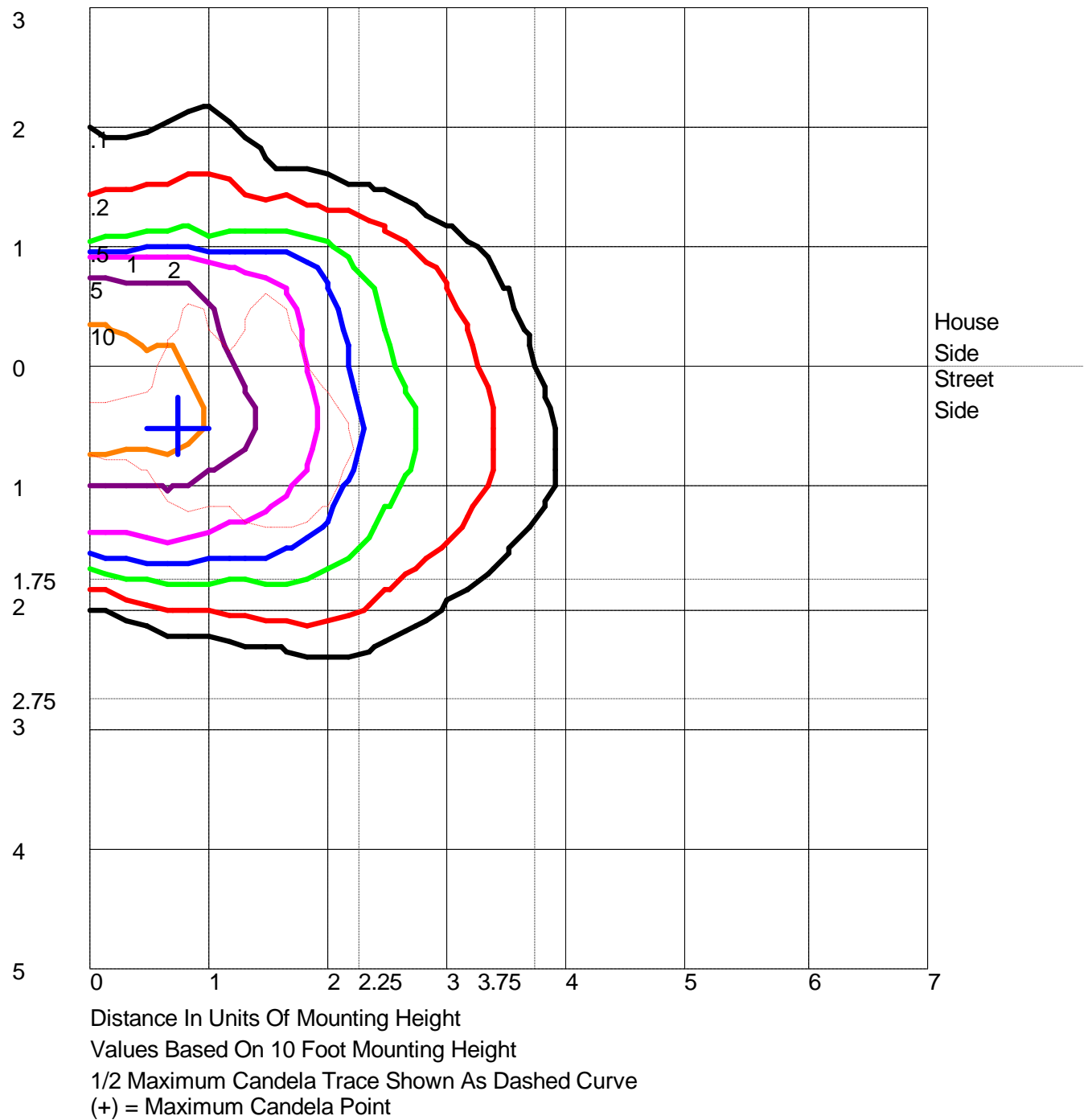
	Lumens	Percent Of Luminaire
Downward Street Side	3949.7	64.3
Downward House Side	2194.2	35.7
Downward Total	6143.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6143.9	100.0

POLAR GRAPH

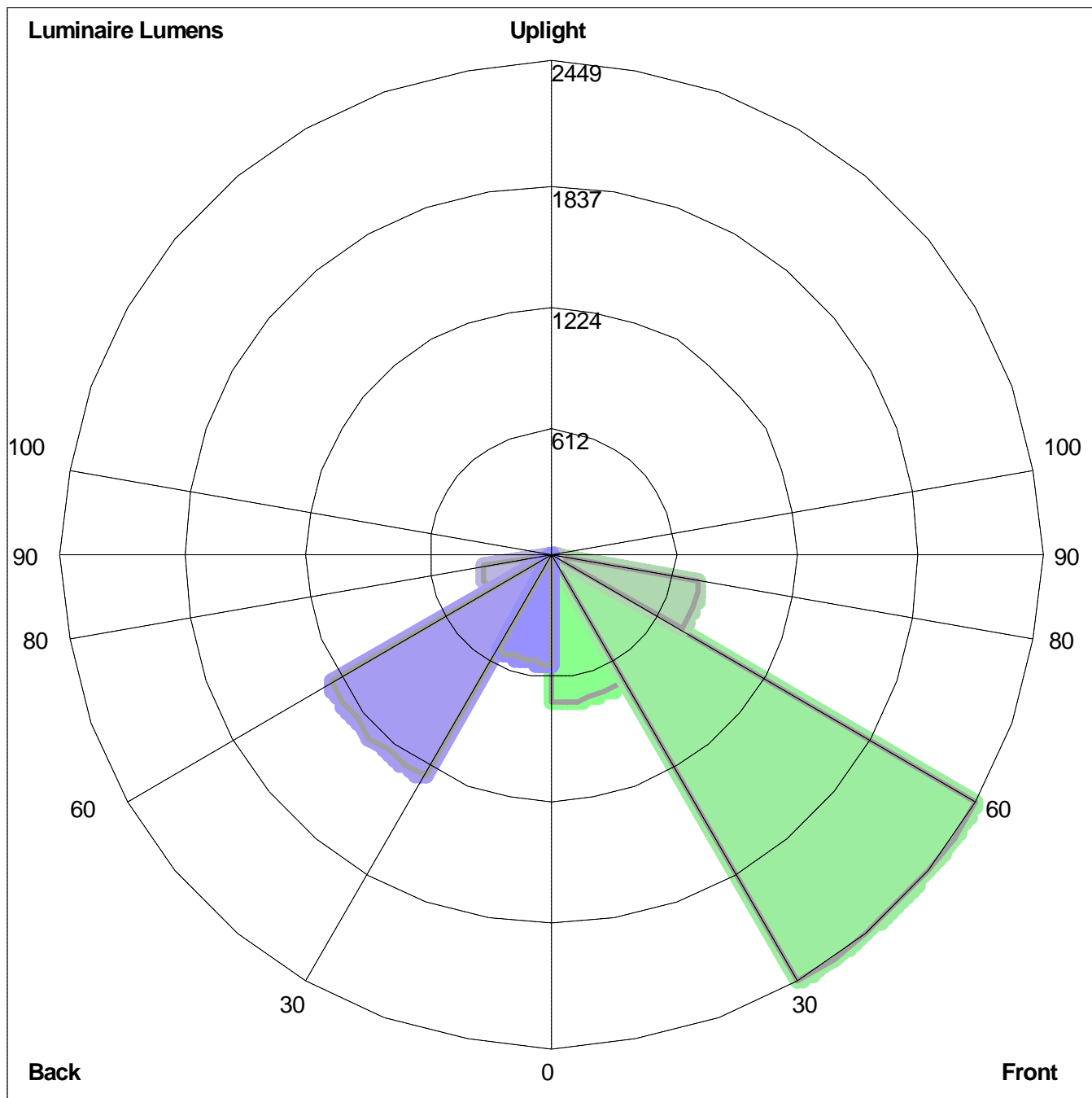


Maximum Candela = 3586 Located At Horizontal Angle = 57, Vertical Angle = 42
1 - Vertical Plane Through Horizontal Angles (57 - 237) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=737.6, Medium=2448.9, High=750.4, Very High=12.8
Back: Low=544.6, Medium=1282.2, High=360.8, Very High=6.6
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1