



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3064
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/20/12
[TEST DATE]03/20/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-FT-LED-48-450-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	6159
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3697
Maximum Candela Angle	25H 64V
Maximum Candela (<90 Degrees Vertical)	3697
Maximum Candela Angle (<90 Degrees Vertical)	25H 64V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	413 (6.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	632.8	N.A.	10.3
FM - Front-Medium (30-60)	2261.4	N.A.	36.7
FH - Front-High (60-80)	1579.0	N.A.	25.6
FVH - Front-Very High (80-90)	29.1	N.A.	0.5
BL - Back-Low (0-30)	559.2	N.A.	9.1
BM - Back-Medium (30-60)	895.4	N.A.	14.5
BH - Back-High (60-80)	194.5	N.A.	3.2
BVH - Back-Very High (80-90)	7.5	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	6158.9	N.A.	100.0
BUG Rating	B2-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>65</u>	<u>75</u>	<u>85</u>
0.0	1534	1534	1534	1534	1534	1534	1534	1534	1534	1534
2.5	1526	1516	1520	1521	1526	1531	1539	1547	1550	1555
5.0	1485	1473	1479	1479	1497	1512	1527	1543	1554	1561
7.5	1417	1405	1415	1424	1460	1492	1519	1546	1561	1567
10.0	1367	1356	1364	1378	1409	1453	1502	1548	1573	1584
12.5	1340	1333	1343	1363	1382	1409	1469	1555	1606	1628
15.0	1296	1289	1303	1330	1357	1391	1441	1552	1653	1699
17.5	1259	1251	1264	1285	1322	1374	1423	1523	1691	1772
20.0	1257	1250	1261	1269	1287	1343	1411	1512	1717	1847
22.5	1251	1247	1261	1269	1282	1313	1406	1518	1765	1985
25.0	1245	1243	1258	1268	1284	1312	1412	1635	1941	2227
27.5	1244	1242	1250	1268	1292	1345	1510	1847	2181	2516
30.0	1233	1230	1249	1278	1307	1427	1688	2033	2344	2653
32.5	1219	1218	1243	1281	1347	1580	1876	2135	2352	2545
35.0	1223	1222	1235	1280	1414	1765	2007	2117	2270	2468
37.5	1262	1258	1258	1291	1531	1930	2055	2052	2179	2411
40.0	1318	1313	1315	1361	1709	2025	2059	1994	2075	2374
42.5	1389	1385	1384	1489	1918	2068	2039	1946	1942	2283
45.0	1425	1417	1426	1682	2082	2118	1984	1900	1855	2181
47.5	1563	1550	1528	1894	2207	2146	1918	1858	1794	2099
50.0	1799	1773	1729	2236	2294	2145	1866	1841	1799	2005
52.5	2079	2054	2042	2635	2412	2157	1890	1855	1842	1970
55.0	2098	2080	2244	3086	2576	2134	2006	1882	1884	1904
57.5	2287	2249	2362	3153	2881	2267	2103	1885	1894	1886
60.0	2501	2470	2713	3280	2944	2536	2116	1845	1852	1834
62.5	2551	2539	3017	3593	3099	2834	2065	1783	1700	1556
64.0	2287	2307	2955	3697	3390	2844	2062	1623	1416	1333
65.0	2144	2160	2791	3661	3479	2887	2067	1531	1331	1271
67.5	1634	1650	2126	2960	3606	3074	1932	1268	1125	1069
70.0	1079	1097	1422	2349	3007	2925	1754	1159	929	939
72.5	570	585	777	1669	2258	2170	1710	1108	764	805
75.0	208	216	300	927	1372	1413	1278	948	582	514
77.5	64	68	104	408	544	637	718	767	417	288
80.0	32	34	51	168	203	175	325	413	336	202
82.5	19	19	26	42	61	64	92	165	143	92
85.0	11	11	13	17	19	23	39	46	28	22
87.5	5	5	5	5	6	5	6	7	5	7
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<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>	<u>175</u>
0.0	1534	1534	1534	1534	1534	1534	1534	1534	1534	1534
2.5	1551	1552	1549	1545	1536	1528	1528	1524	1520	1512
5.0	1556	1558	1553	1542	1529	1514	1508	1499	1492	1481
7.5	1565	1564	1554	1535	1512	1489	1476	1457	1449	1435
10.0	1582	1577	1559	1529	1496	1457	1432	1407	1393	1374
12.5	1628	1618	1574	1521	1472	1425	1386	1355	1340	1321
15.0	1713	1704	1625	1531	1452	1386	1353	1319	1285	1254
17.5	1802	1794	1691	1561	1447	1370	1310	1232	1162	1113
20.0	1889	1877	1737	1583	1472	1351	1218	1083	971	902
22.5	2038	2006	1798	1603	1493	1298	1073	874	730	640
25.0	2275	2215	1934	1692	1499	1214	880	630	472	392

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CANDELA TABULATION - (Cont.)

27.5	2560	2468	2138	1878	1555	1103	671	409	299	245
30.0	2675	2569	2271	2072	1619	994	506	276	211	165
32.5	2582	2479	2248	2142	1585	876	444	208	162	132
35.0	2516	2432	2199	2063	1450	778	448	193	150	127
37.5	2447	2349	2124	1900	1215	745	433	188	155	119
40.0	2432	2297	2051	1673	1009	715	416	221	153	114
42.5	2403	2239	1955	1359	858	635	385	231	151	107
45.0	2312	2138	1835	1030	670	541	338	270	140	104
47.5	2223	2055	1703	749	504	473	361	302	136	93
50.0	2140	2044	1603	566	422	412	398	260	128	68
52.5	2113	2060	1498	497	381	352	355	210	92	34
55.0	1963	1934	1357	463	362	300	305	143	87	31
57.5	1908	1862	1203	418	358	246	192	108	80	28
60.0	1807	1772	1044	358	362	169	143	71	54	27
62.5	1544	1491	834	292	295	107	98	70	46	27
64.0	1326	1259	677	240	207	109	87	55	37	26
65.0	1266	1205	619	222	165	99	73	51	40	25
67.5	1079	979	426	163	91	84	57	40	33	21
70.0	902	781	309	124	75	75	57	30	24	17
72.5	688	554	223	93	71	72	54	22	17	13
75.0	506	387	173	76	63	63	40	17	13	10
77.5	281	239	102	60	49	47	31	13	9	8
80.0	219	177	47	40	29	27	18	12	9	9
82.5	86	82	31	22	16	13	13	12	8	7
85.0	20	19	14	11	11	7	6	5	3	2
87.5	6	5	4	4	4	3	2	1	1	1
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

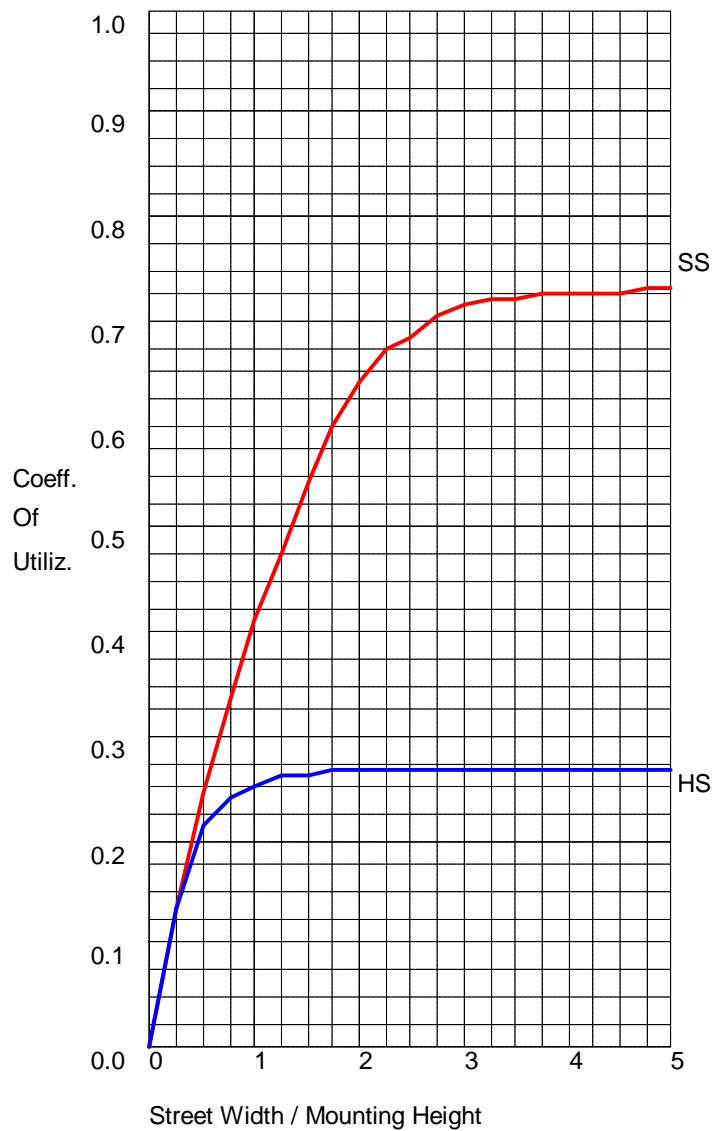
	<u>180</u>
0.0	1534
2.5	1508
5.0	1478
7.5	1429
10.0	1367
12.5	1314
15.0	1247
17.5	1104
20.0	888
22.5	628
25.0	380
27.5	237
30.0	158
32.5	124
35.0	116
37.5	108
40.0	104
42.5	102
45.0	98
47.5	88
50.0	69
52.5	26
55.0	21
57.5	21
60.0	23

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CANDELA TABULATION - (Cont.)

62.5	24
64.0	24
65.0	23
67.5	20
70.0	15
72.5	12
75.0	9
77.5	8
80.0	9
82.5	6
85.0	3
87.5	1
90.0	0

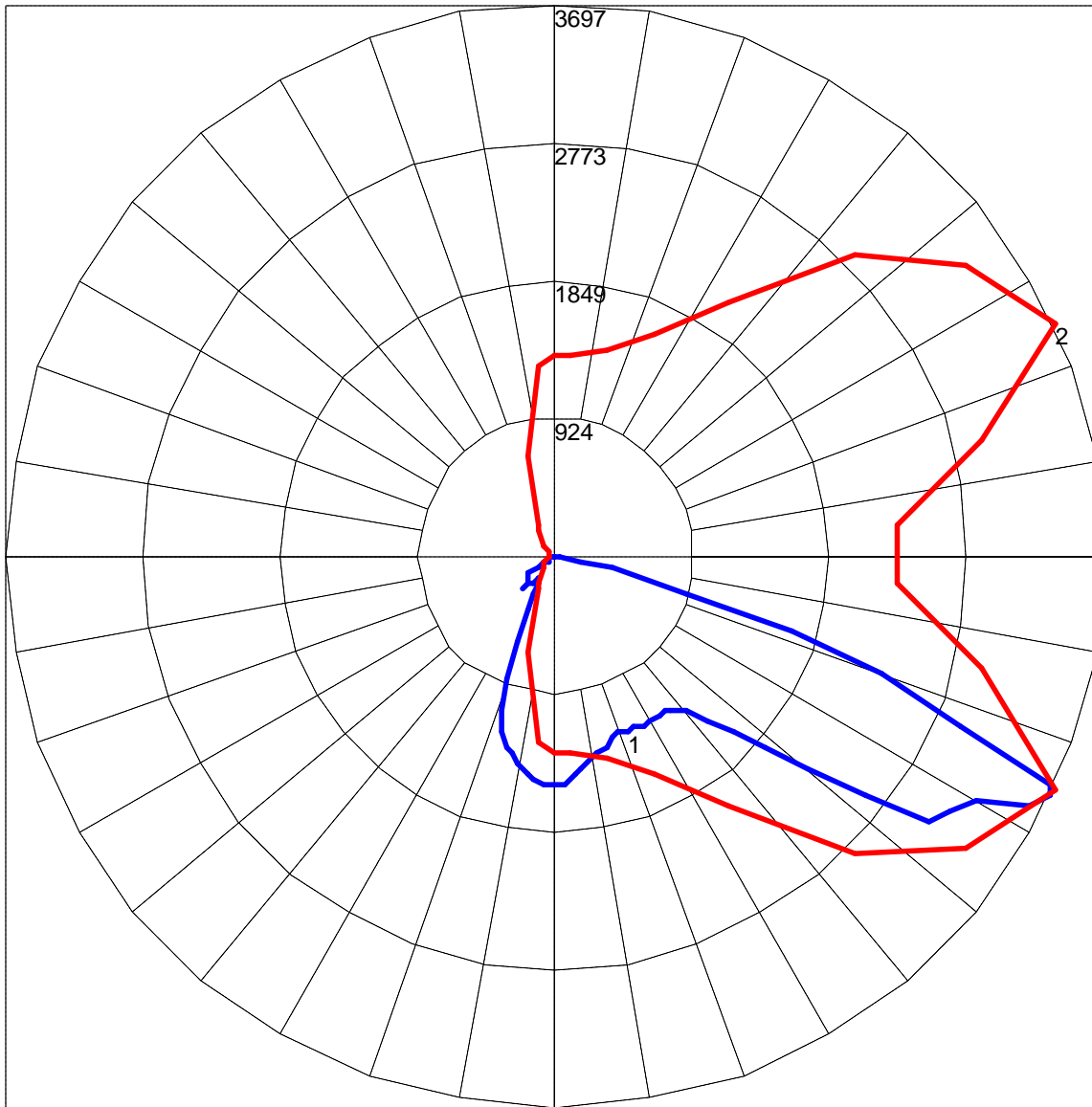
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

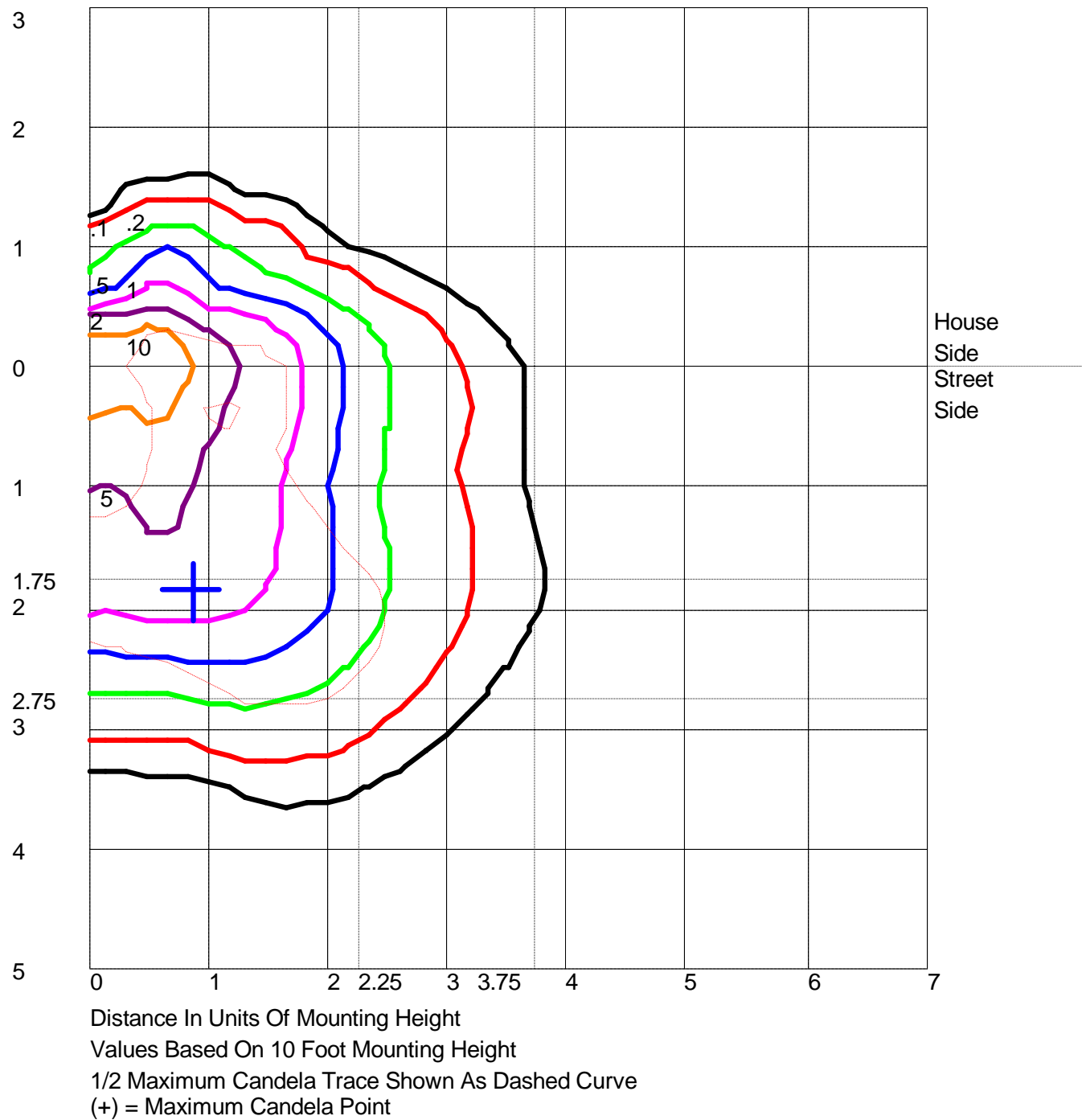
	Lumens	Percent Of Luminaire
Downward Street Side	4502.2	73.1
Downward House Side	1656.6	26.9
Downward Total	6158.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6158.8	100.0

POLAR GRAPH

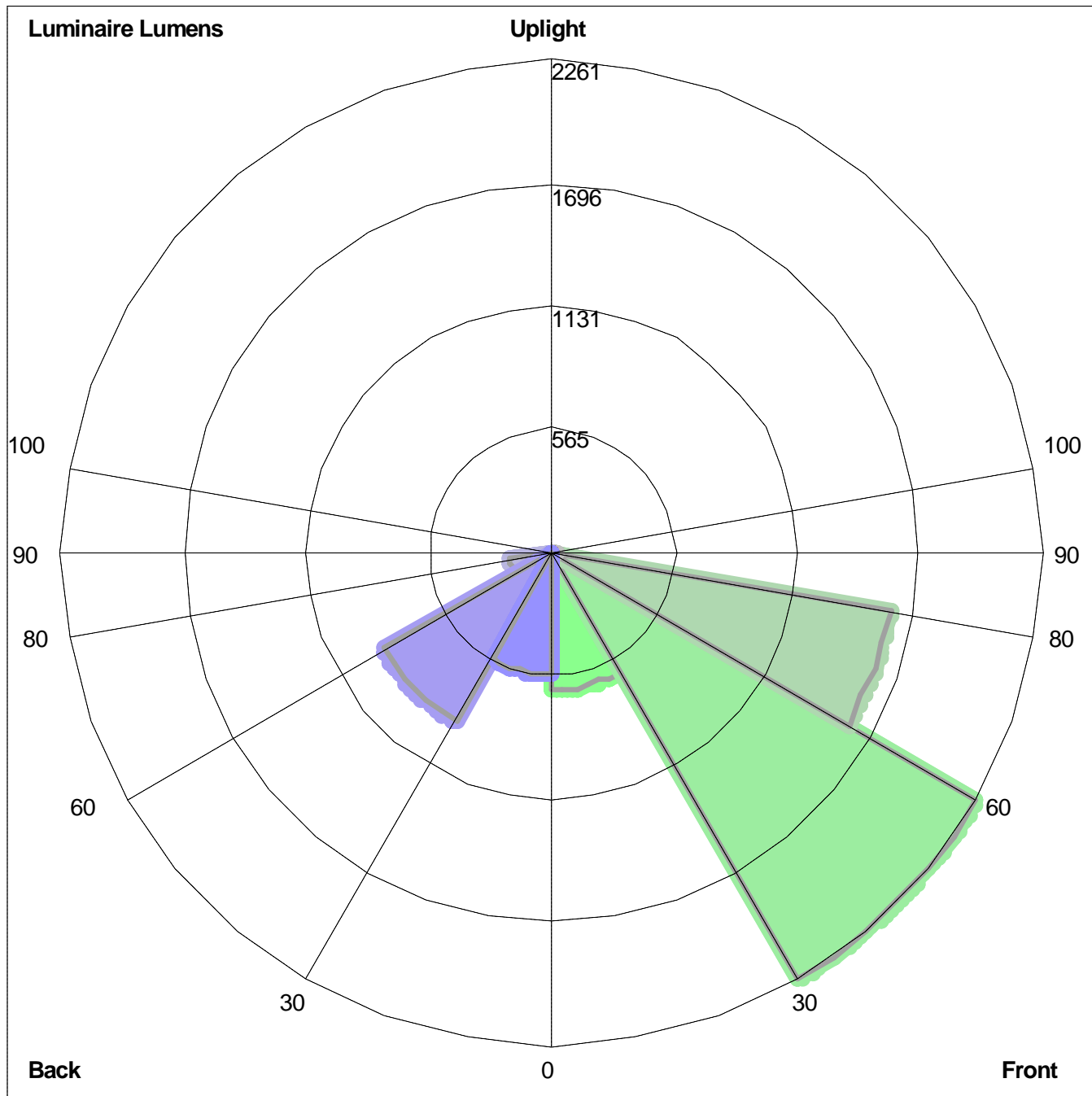


Maximum Candela = 3697 Located At Horizontal Angle = 25, Vertical Angle = 64
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (64) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=632.8, Medium=2261.4, High= 1579.0, Very High=29.1
Back: Low=559.2, Medium=895.4, High=194.5, Very High=7.5
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1