



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3065
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/20/12
[TEST DATE]03/20/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-FT-LED-48-350-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	5094
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	55
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3066
Maximum Candela Angle	25H 64V
Maximum Candela (<90 Degrees Vertical)	3066
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	339 (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)	521.0	N.A.	10.2
FM - Front-Medium (30-60)	1871.5	N.A.	36.7
FH - Front-High (60-80)	1307.1	N.A.	25.7
FVH - Front-Very High (80-90)	24.5	N.A.	0.5
BL - Back-Low (0-30)	460.5	N.A.	9.0
BM - Back-Medium (30-60)	740.8	N.A.	14.5
BH - Back-High (60-80)	162.0	N.A.	3.2
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	5094.0	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>24</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262
2.5	1256	1248	1250	1254	1251	1256	1260	1267	1273	1274
5.0	1218	1212	1217	1223	1216	1232	1245	1256	1269	1277
7.5	1162	1156	1165	1171	1169	1201	1228	1251	1272	1282
10.0	1122	1116	1121	1124	1131	1159	1196	1237	1273	1292
12.5	1103	1097	1105	1109	1119	1137	1158	1209	1280	1320
15.0	1067	1061	1073	1092	1094	1116	1144	1186	1278	1360
17.5	1035	1030	1040	1055	1056	1088	1130	1171	1254	1390
20.0	1033	1029	1038	1042	1042	1060	1105	1162	1245	1413
22.5	1030	1026	1037	1042	1042	1055	1080	1159	1251	1453
25.0	1026	1021	1036	1042	1044	1057	1081	1164	1348	1599
27.5	1024	1021	1030	1043	1044	1064	1108	1245	1522	1797
30.0	1015	1011	1028	1050	1053	1077	1176	1391	1679	1931
32.5	1006	1002	1024	1051	1056	1111	1303	1547	1762	1938
35.0	1009	1006	1019	1050	1056	1167	1457	1656	1746	1871
37.5	1043	1037	1038	1056	1065	1263	1595	1697	1695	1799
40.0	1088	1082	1086	1109	1125	1413	1674	1702	1647	1714
42.5	1146	1141	1143	1200	1231	1587	1712	1687	1610	1604
45.0	1178	1169	1176	1343	1390	1724	1756	1643	1573	1532
47.5	1297	1286	1266	1505	1563	1827	1779	1590	1539	1484
50.0	1489	1470	1432	1806	1850	1900	1777	1550	1525	1489
52.5	1712	1693	1687	2167	2186	2004	1788	1569	1536	1525
55.0	1731	1716	1845	2551	2550	2143	1771	1667	1561	1559
57.5	1894	1861	1956	2609	2610	2388	1886	1745	1564	1570
60.0	2071	2045	2244	2758	2722	2436	2108	1755	1533	1534
62.5	2109	2100	2495	3012	2983	2574	2346	1718	1479	1407
64.0	1891	1908	2446	3061	3066	2816	2195	1715	1346	1171
65.0	1767	1787	2309	3012	3032	2890	2400	1718	1268	1101
67.5	1353	1364	1754	2370	2450	2992	2554	1600	1050	931
70.0	893	907	1175	1820	1948	2497	2426	1457	961	770
72.5	466	480	641	1256	1374	1871	1798	1421	917	632
75.0	171	179	252	693	761	1132	1172	1060	787	478
77.5	59	63	86	299	336	450	524	595	636	346
80.0	27	29	43	116	137	170	147	273	339	278
82.5	16	17	22	33	36	54	55	78	136	118
85.0	10	10	12	14	15	17	20	33	38	24
87.5	5	5	6	6	6	5	5	6	7	6
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	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262
2.5	1279	1277	1277	1272	1271	1264	1258	1257	1252	1251
5.0	1283	1281	1282	1275	1269	1258	1246	1241	1232	1228
7.5	1290	1288	1287	1276	1263	1246	1225	1214	1199	1191
10.0	1304	1302	1299	1283	1258	1232	1200	1179	1158	1143
12.5	1339	1340	1332	1296	1252	1212	1171	1141	1114	1100
15.0	1399	1412	1403	1338	1260	1196	1139	1113	1085	1056
17.5	1460	1485	1479	1394	1287	1191	1127	1078	1014	954
20.0	1524	1558	1548	1433	1305	1213	1112	1002	891	797
22.5	1637	1682	1654	1482	1322	1232	1069	882	716	599
25.0	1837	1878	1828	1595	1396	1237	1000	724	515	386

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CANDELA TABULATION - (Cont.)

27.5	2076	2112	2038	1765	1551	1281	909	550	334	250
30.0	2190	2209	2121	1874	1713	1335	820	417	229	173
32.5	2103	2132	2048	1856	1769	1310	723	369	172	133
35.0	2038	2077	2009	1816	1705	1198	644	371	159	123
37.5	1990	2024	1942	1755	1570	1004	618	359	155	127
40.0	1961	2013	1900	1696	1385	836	593	345	182	126
42.5	1886	1990	1853	1617	1125	710	526	317	190	124
45.0	1804	1914	1769	1518	853	554	447	278	224	115
47.5	1736	1836	1702	1409	621	415	391	300	251	111
50.0	1658	1769	1691	1327	468	351	340	330	214	106
52.5	1628	1748	1705	1242	410	315	293	294	173	77
55.0	1577	1625	1601	1125	385	300	248	254	118	72
57.5	1561	1578	1541	999	348	296	205	159	88	67
60.0	1517	1495	1467	865	298	299	139	117	65	49
62.5	1283	1277	1233	692	243	243	92	83	60	39
64.0	1100	1096	1040	557	202	174	84	72	47	32
65.0	1047	1044	995	511	184	134	82	65	43	34
67.5	883	892	808	352	134	78	70	47	35	28
70.0	776	743	646	256	103	70	63	48	26	20
72.5	665	565	456	187	81	66	61	45	19	15
75.0	423	416	319	142	69	58	53	33	15	12
77.5	238	232	197	89	50	42	40	26	12	9
80.0	167	180	146	41	34	25	23	16	11	8
82.5	80	71	67	27	19	14	12	12	10	7
85.0	19	17	17	12	10	10	7	6	5	3
87.5	6	6	5	4	4	5	3	2	2	2
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

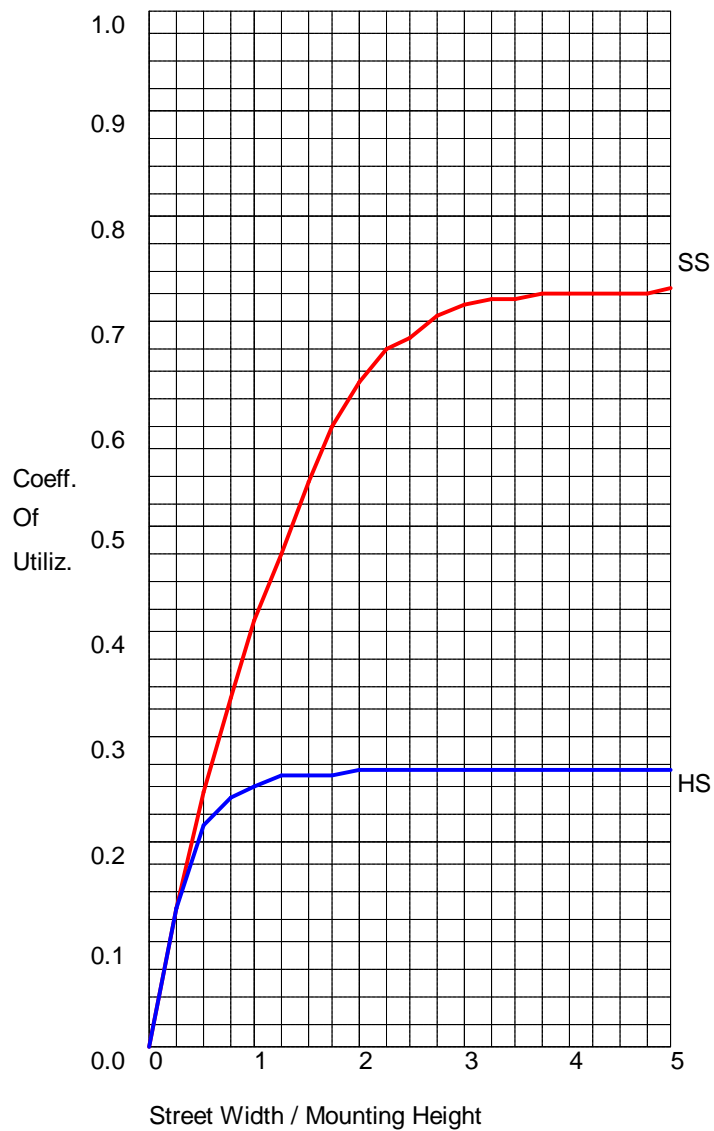
	<u>175</u>	<u>180</u>
0.0	1262	1262
2.5	1244	1243
5.0	1220	1217
7.5	1180	1176
10.0	1130	1125
12.5	1087	1081
15.0	1031	1027
17.5	915	908
20.0	739	730
22.5	524	515
25.0	320	311
27.5	201	194
30.0	136	130
32.5	108	103
35.0	105	95
37.5	98	89
40.0	93	86
42.5	88	82
45.0	85	81
47.5	76	72
50.0	64	57
52.5	29	23
55.0	26	19
57.5	24	18
60.0	23	20

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CANDELA TABULATION - (Cont.)

62.5	24	22
64.0	22	21
65.0	22	21
67.5	18	18
70.0	15	13
72.5	12	11
75.0	9	8
77.5	8	7
80.0	8	8
82.5	6	6
85.0	3	3
87.5	2	1
90.0	0	0

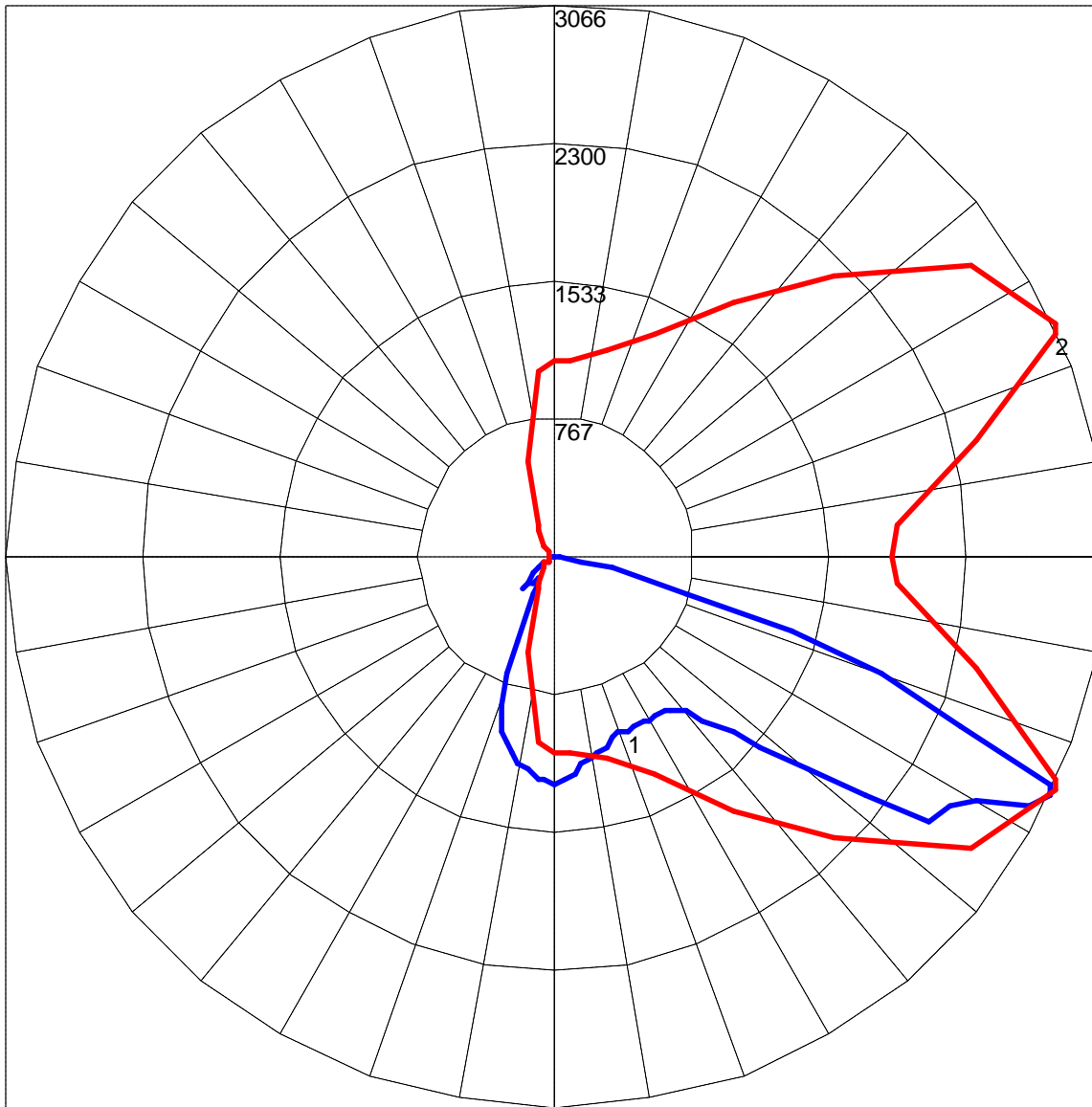
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

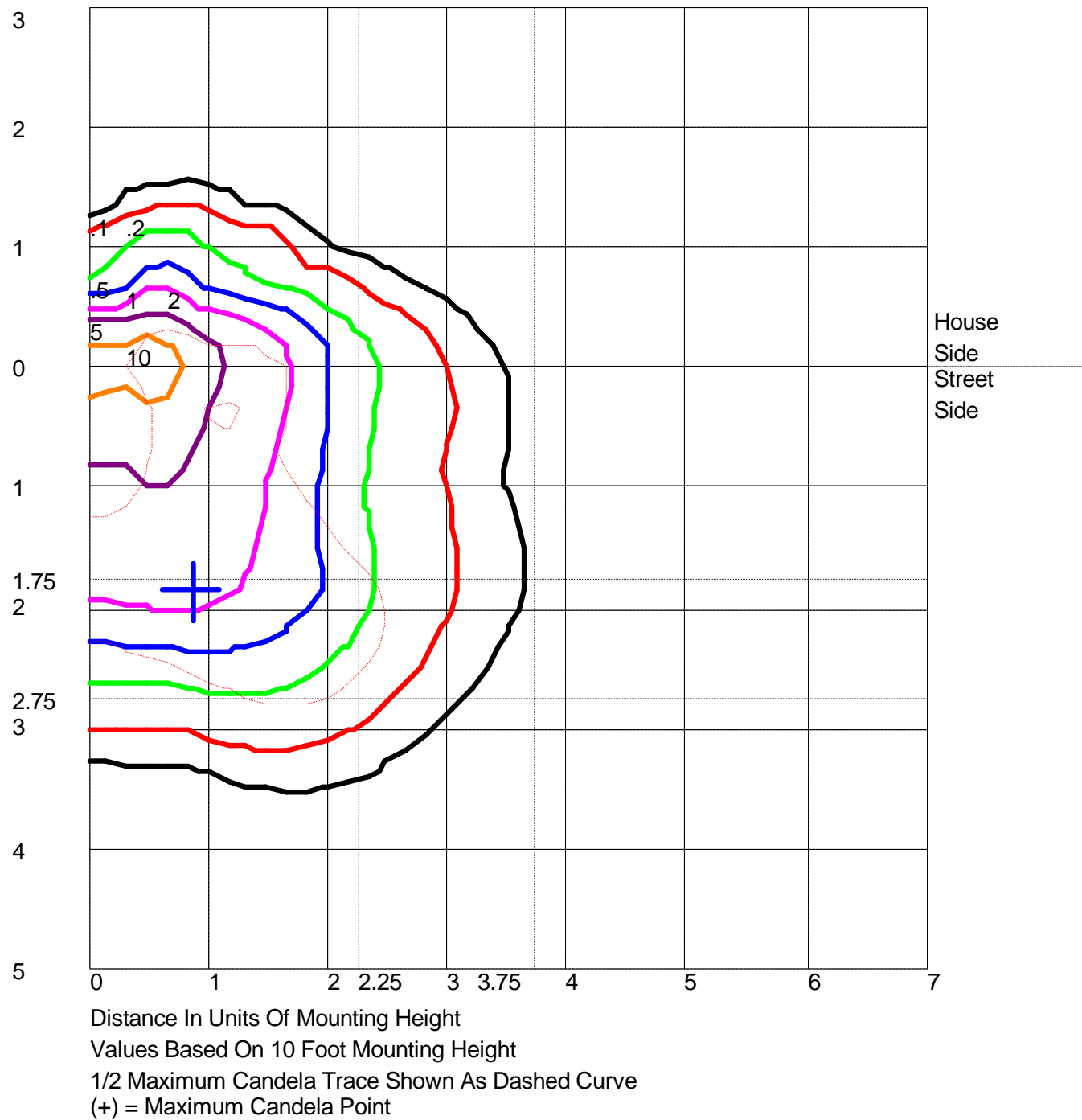
	Lumens	Percent Of Luminaire
Downward Street Side	3724.0	73.1
Downward House Side	1369.9	26.9
Downward Total	5093.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5093.9	100.0

POLAR GRAPH

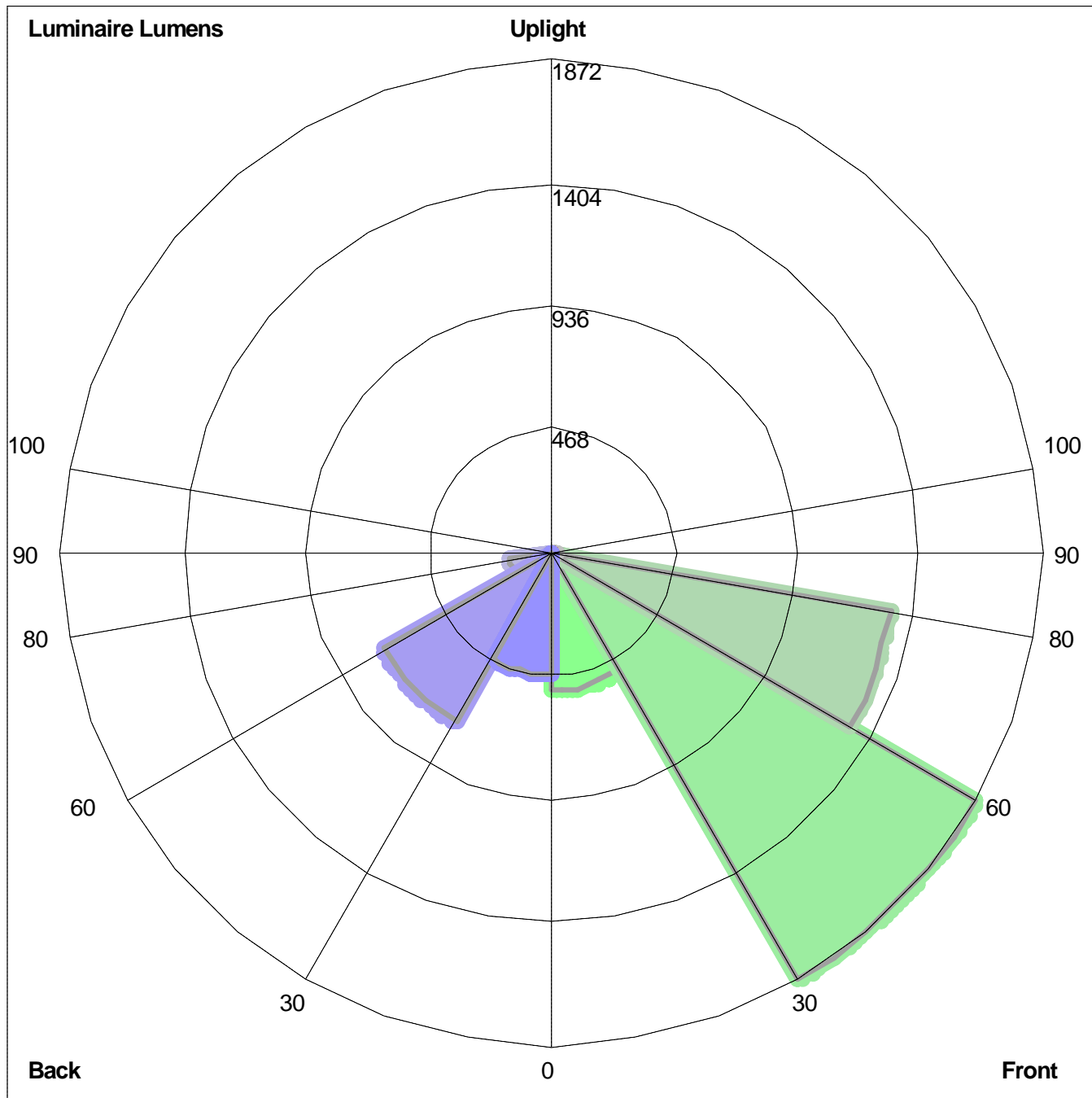


Maximum Candela = 3066 Located At Horizontal Angle = 25, Vertical Angle = 64
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (64) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=521.0, Medium=1871.5, High=1307.1, Very High=24.5
Back: Low=460.5, Medium=740.8, High=162.0, Very High=6.6
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1