



IES ROAD REPORT

PHOTOMETRIC FILENAME : SMW-LED-06L-FT-UNV-DIM-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11556

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/7/2020

[TEST DATE] 02/03/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SMW-LED-06L-FT-UNV-DIM-40

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5869
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	47
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2404
Maximum Candela Angle	37.5H 75V
Maximum Candela (<90 Degrees Vertical)	2404
Maximum Candela Angle (<90 Degrees Vertical)	37.5H 75V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1227 (20.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	550.9	N.A.	9.4
FM - Front-Medium (30-60)	1747.0	N.A.	29.8
FH - Front-High (60-80)	1555.3	N.A.	26.5
FVH - Front-Very High (80-90)	125.9	N.A.	2.1
BL - Back-Low (0-30)	485.7	N.A.	8.3
BM - Back-Medium (30-60)	1030.3	N.A.	17.6
BH - Back-High (60-80)	359.7	N.A.	6.1
BVH - Back-Very High (80-90)	13.9	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5868.7	N.A.	100.0
BUG Rating	B2-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>37.5</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	1209	1209	1209	1209	1209	1209	1209	1209	1209	1209
2.5	1224	1224	1215	1216	1214	1214	1217	1213	1215	1216
5.0	1237	1236	1227	1228	1225	1224	1227	1222	1224	1223
7.5	1250	1248	1239	1239	1236	1235	1237	1232	1233	1230
10.0	1262	1262	1251	1252	1248	1247	1249	1244	1243	1240
12.5	1275	1274	1265	1264	1262	1261	1263	1256	1255	1252
15.0	1289	1288	1277	1278	1276	1275	1275	1270	1269	1263
17.5	1304	1303	1292	1293	1291	1291	1291	1286	1284	1279
20.0	1318	1317	1307	1308	1308	1307	1309	1303	1301	1295
22.5	1333	1331	1321	1326	1327	1326	1330	1324	1320	1313
25.0	1347	1346	1337	1345	1347	1348	1353	1348	1343	1336
27.5	1359	1358	1352	1363	1369	1370	1378	1373	1368	1357
30.0	1370	1369	1366	1381	1395	1395	1406	1401	1396	1381
32.5	1379	1377	1377	1400	1419	1422	1436	1430	1423	1404
35.0	1384	1383	1387	1417	1446	1450	1465	1460	1449	1426
37.5	1385	1385	1395	1435	1474	1479	1497	1489	1473	1446
40.0	1385	1385	1401	1453	1502	1509	1530	1524	1499	1466
42.5	1382	1384	1406	1470	1534	1539	1567	1556	1524	1483
45.0	1378	1381	1410	1488	1567	1572	1608	1590	1547	1500
47.5	1367	1369	1410	1503	1598	1607	1650	1626	1572	1516
50.0	1350	1352	1403	1518	1630	1649	1697	1666	1599	1533
52.5	1332	1336	1395	1538	1669	1697	1748	1710	1632	1553
55.0	1323	1328	1394	1560	1717	1748	1805	1760	1672	1578
57.5	1331	1337	1408	1589	1776	1807	1865	1815	1716	1615
60.0	1359	1365	1440	1626	1825	1859	1918	1858	1757	1659
62.5	1411	1411	1484	1669	1864	1899	1947	1873	1763	1687
65.0	1468	1468	1530	1707	1886	1921	1954	1853	1692	1643
67.5	1530	1531	1576	1735	1913	1949	1993	1843	1555	1432
70.0	1597	1594	1617	1790	2033	2080	2152	1905	1430	1137
72.5	1448	1449	1589	1914	2324	2368	2348	1968	1396	1127
75.0	1066	1081	1311	1890	2403	2404	2075	1693	1221	1081
77.5	914	913	1053	1414	1798	1739	1502	1227	620	545
80.0	481	512	644	977	1227	1217	1122	744	268	236
82.5	149	158	217	397	603	611	616	460	163	121
85.0	81	82	111	206	322	324	356	308	77	60
87.5	36	37	49	91	136	143	169	151	34	26
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	1209	1209	1209	1209	1209	1209	1209	1209	1209	1209
2.5	1216	1218	1214	1206	1205	1201	1202	1200	1199	1204
5.0	1221	1221	1217	1206	1205	1198	1198	1195	1192	1196
7.5	1227	1226	1221	1209	1204	1196	1193	1187	1183	1186
10.0	1235	1233	1228	1212	1206	1194	1189	1180	1173	1173
12.5	1244	1242	1236	1218	1208	1193	1184	1170	1161	1158
15.0	1255	1252	1245	1225	1212	1192	1179	1158	1144	1137
17.5	1269	1265	1259	1234	1218	1192	1172	1144	1124	1110
20.0	1285	1279	1272	1245	1222	1189	1161	1126	1095	1078
22.5	1302	1297	1286	1256	1227	1186	1146	1102	1065	1041
25.0	1321	1317	1302	1268	1231	1180	1128	1075	1028	1003
27.5	1341	1336	1318	1277	1231	1169	1103	1041	989	960

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CANDELA TABULATION - (Cont.)

30.0	1361	1355	1334	1286	1230	1154	1075	1003	947	917
32.5	1379	1373	1349	1294	1224	1134	1042	962	907	879
35.0	1398	1389	1364	1300	1216	1110	1003	922	869	844
37.5	1414	1405	1376	1305	1204	1081	964	884	837	816
40.0	1429	1420	1387	1306	1189	1046	926	851	809	784
42.5	1442	1432	1395	1304	1170	1011	887	820	778	744
45.0	1454	1441	1401	1300	1149	975	850	788	734	674
47.5	1464	1449	1403	1289	1124	936	811	748	663	576
50.0	1475	1454	1403	1273	1089	894	775	690	569	496
52.5	1486	1462	1400	1246	1043	844	730	609	487	451
55.0	1500	1469	1393	1204	981	783	668	527	439	414
57.5	1525	1480	1382	1150	909	711	590	465	395	349
60.0	1560	1496	1368	1090	835	625	505	408	337	312
62.5	1593	1509	1351	1030	741	542	433	349	291	270
65.0	1584	1499	1326	953	648	469	367	296	203	155
67.5	1446	1408	1256	848	555	397	310	194	125	114
70.0	1122	1168	1079	717	450	314	227	117	102	94
72.5	966	895	817	557	355	239	126	91	80	77
75.0	995	805	609	386	244	133	94	68	60	56
77.5	846	714	464	234	148	76	64	48	42	39
80.0	488	476	331	141	61	42	36	30	25	21
82.5	182	218	188	84	29	22	17	11	6	2
85.0	63	87	92	28	13	8	4	1	0	0
87.5	22	30	30	6	2	1	1	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

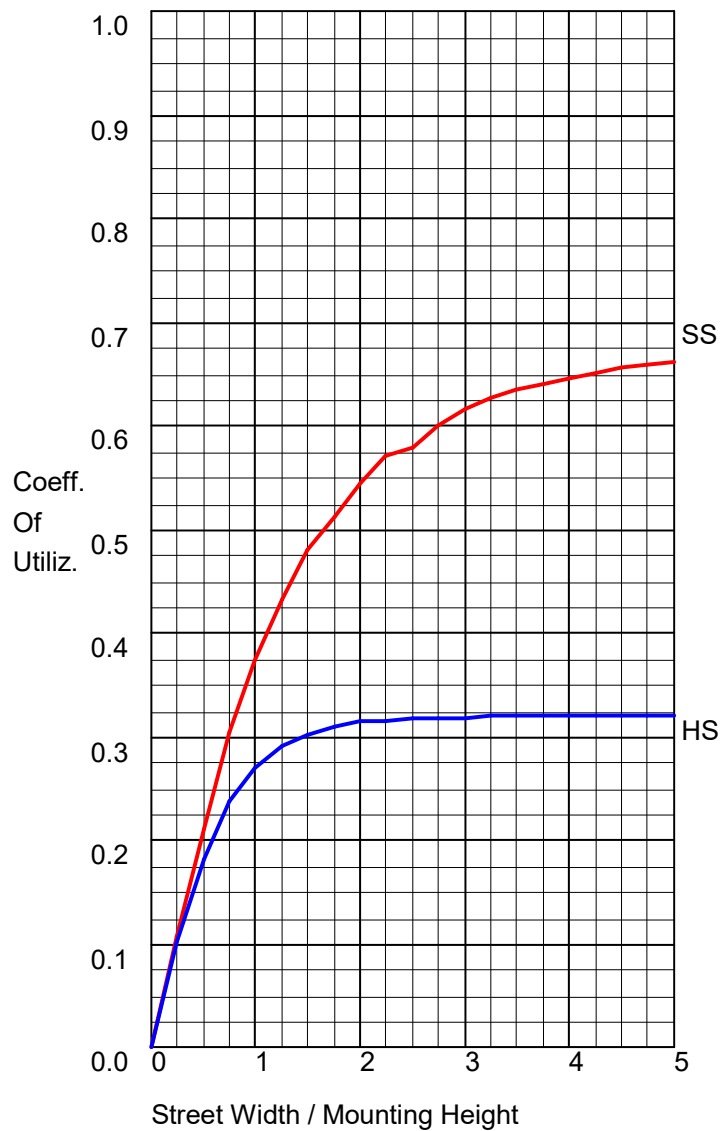
	<u>175.0</u>	<u>180.0</u>
0.0	1209	1209
2.5	1208	1217
5.0	1199	1209
7.5	1189	1198
10.0	1175	1184
12.5	1158	1165
15.0	1135	1141
17.5	1104	1111
20.0	1069	1075
22.5	1030	1035
25.0	988	992
27.5	945	948
30.0	904	908
32.5	867	871
35.0	836	840
37.5	805	811
40.0	770	775
42.5	719	715
45.0	629	627
47.5	535	534
50.0	474	475
52.5	441	443
55.0	389	390
57.5	338	341
60.0	307	311
62.5	223	209
65.0	137	133

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CANDELA TABULATION - (Cont.)

67.5	111	111
70.0	92	91
72.5	75	75
75.0	57	57
77.5	39	40
80.0	16	19
82.5	2	2
85.0	0	0
87.5	0	0
90.0	0	0

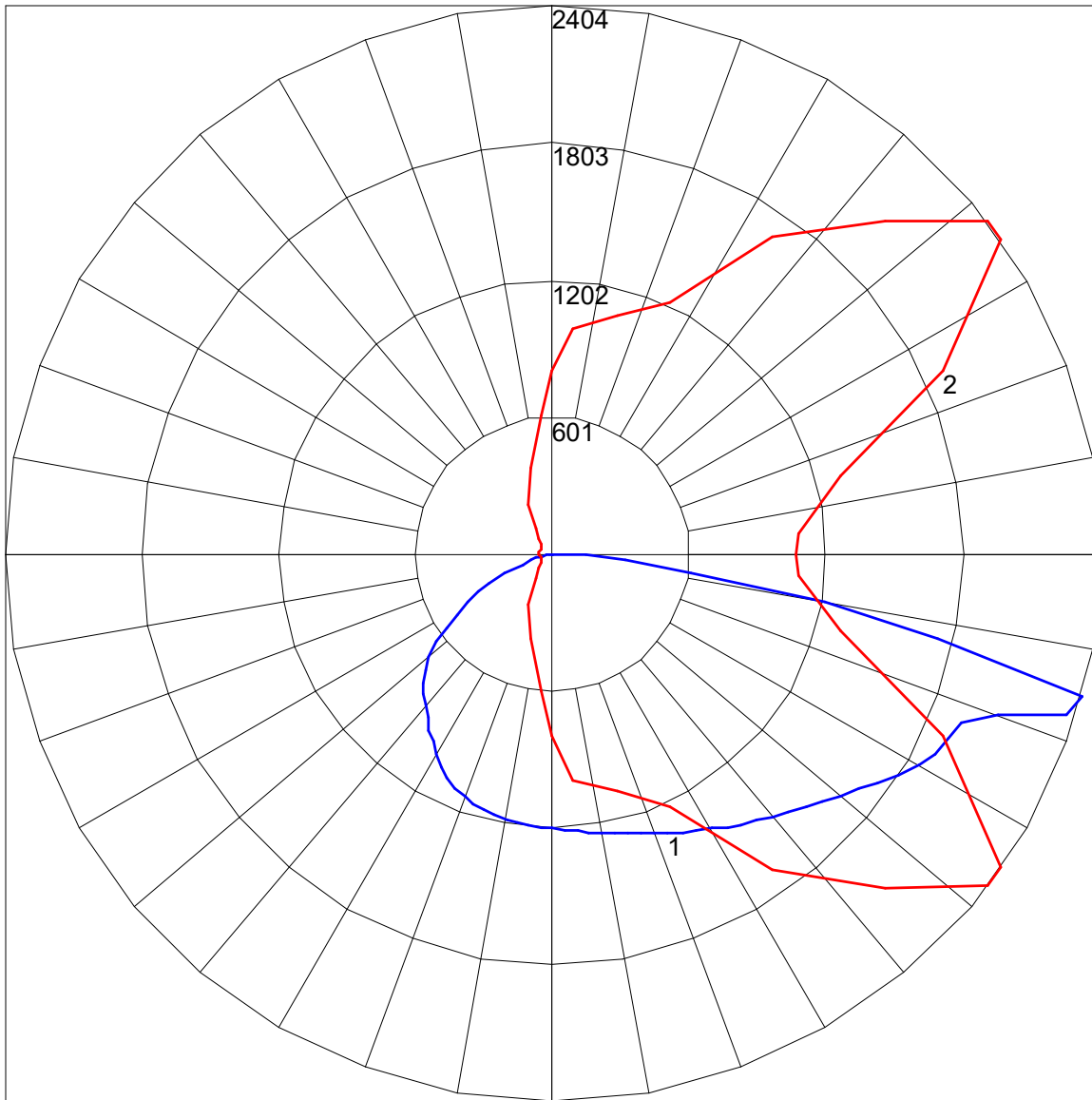
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

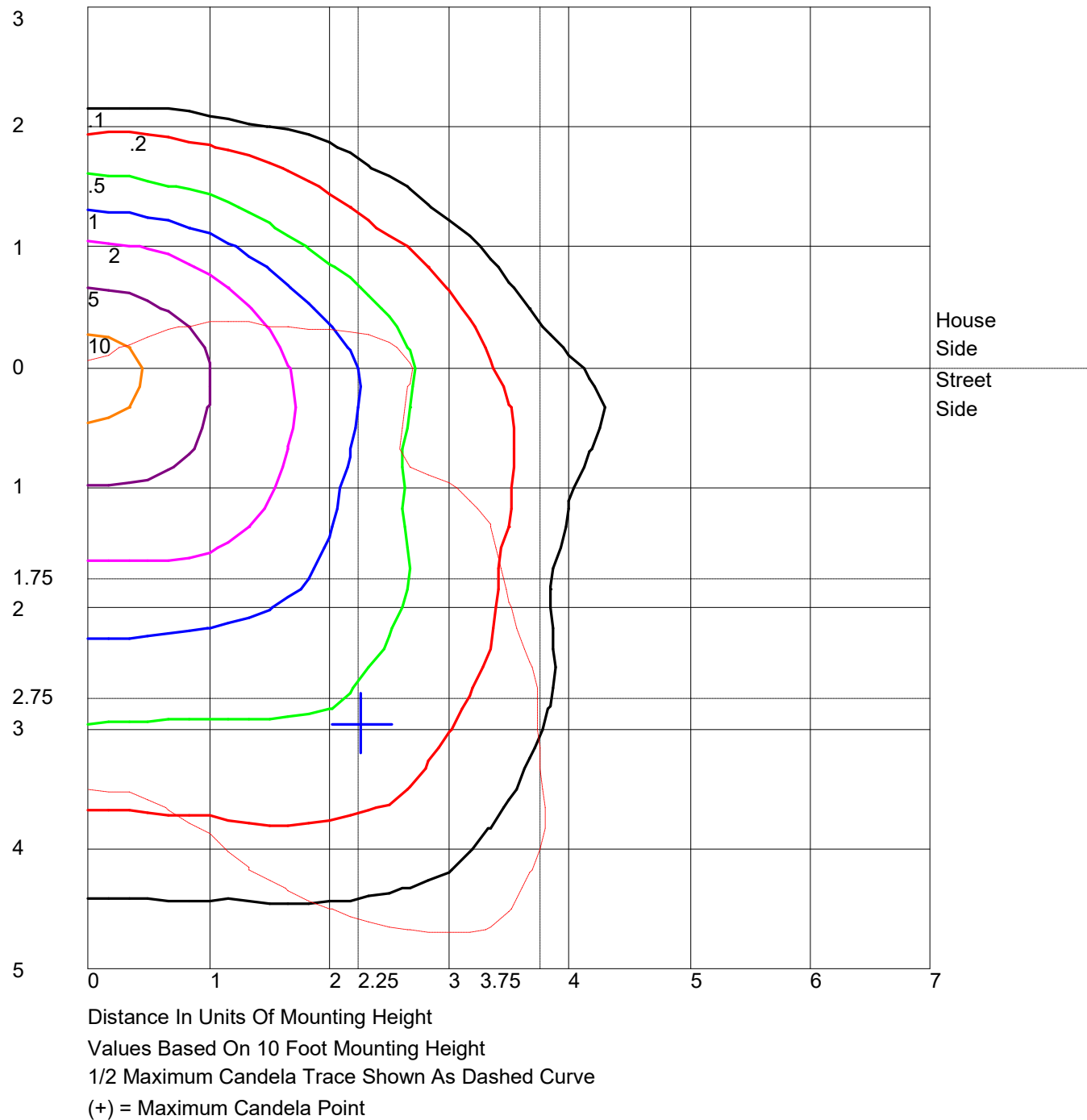
	Lumens	Percent Of Luminaire
Downward Street Side	3979.1	67.8
Downward House Side	1889.7	32.2
Downward Total	5868.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5868.8	100.0

POLAR GRAPH

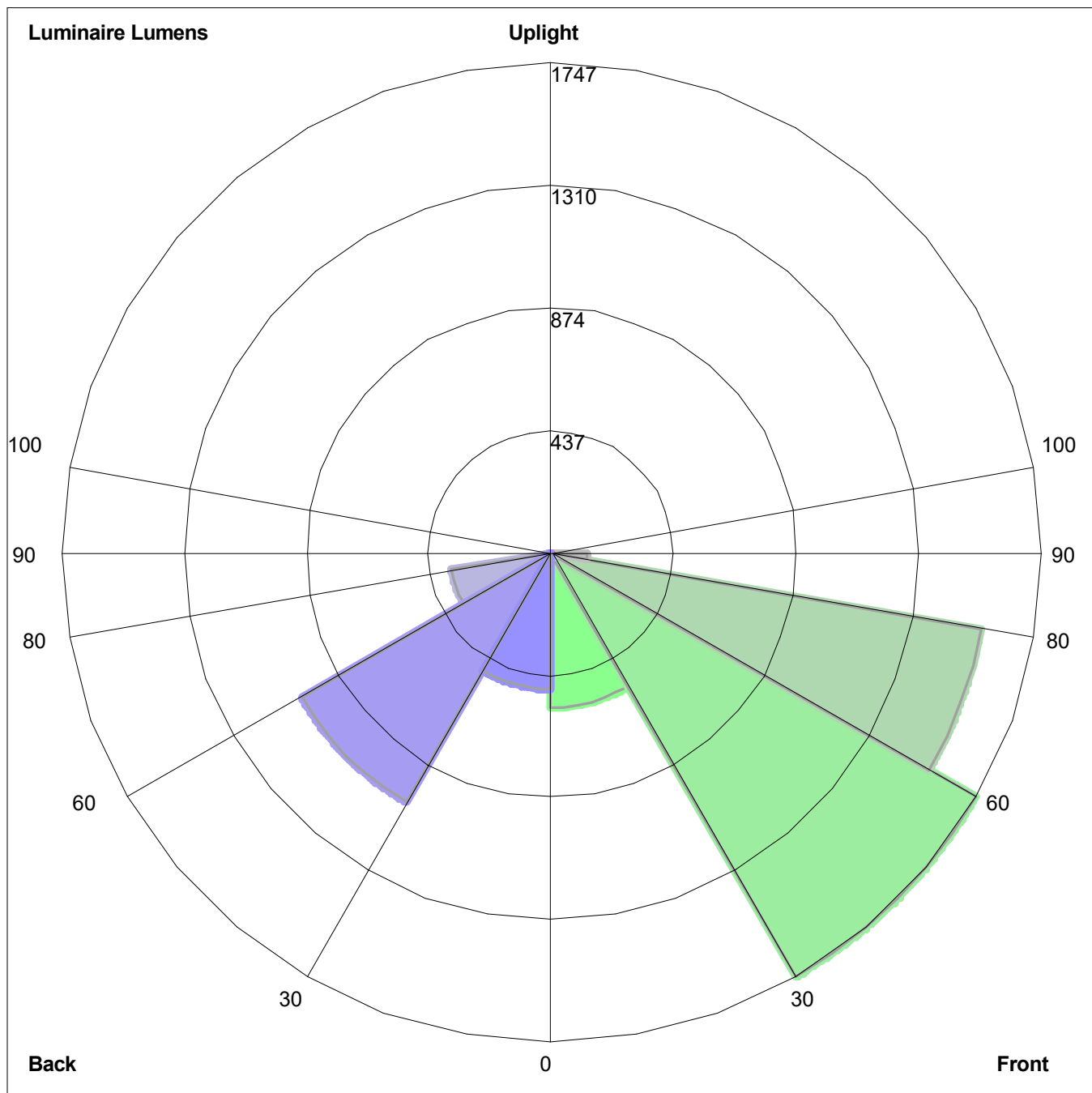


Maximum Candela = 2404 Located At Horizontal Angle = 37.5, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (37.5 - 217.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=550.9, Medium= 1747.0, High=1555.3, Very High=125.9
Back: Low=485.7, Medium=1030.3, High=359.7, Very High=13.9
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2