



IES ROAD REPORT

PHOTOMETRIC FILENAME : SMW-LED-06L-FT-UNV-DIM-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11550
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 5/7/2020
[TEST DATE] 01/30/20
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] SMW-LED-06L-FT-UNV-DIM-50
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6020
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	47
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2521
Maximum Candela Angle	42.5H 72.5V
Maximum Candela (<90 Degrees Vertical)	2521
Maximum Candela Angle (<90 Degrees Vertical)	42.5H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1267 (21.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	565.4	N.A.	9.4
FM - Front-Medium (30-60)	1822.7	N.A.	30.3
FH - Front-High (60-80)	1651.3	N.A.	27.4
FVH - Front-Very High (80-90)	134.0	N.A.	2.2
BL - Back-Low (0-30)	479.8	N.A.	8.0
BM - Back-Medium (30-60)	997.1	N.A.	16.6
BH - Back-High (60-80)	355.5	N.A.	5.9
BVH - Back-Very High (80-90)	14.1	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	6019.9	N.A.	100.0
BUG Rating	B1-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>42.5</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202
2.5	1212	1207	1205	1206	1207	1208	1208	1212	1214	1218
5.0	1231	1226	1223	1224	1222	1222	1223	1224	1225	1226
7.5	1252	1247	1243	1243	1240	1238	1239	1239	1237	1236
10.0	1274	1269	1265	1263	1260	1255	1258	1255	1252	1248
12.5	1297	1291	1287	1285	1281	1275	1278	1274	1267	1262
15.0	1320	1316	1311	1308	1304	1297	1298	1294	1286	1278
17.5	1343	1339	1336	1334	1329	1320	1320	1316	1306	1295
20.0	1366	1363	1360	1359	1355	1346	1345	1340	1329	1315
22.5	1388	1385	1385	1385	1382	1376	1373	1367	1353	1337
25.0	1408	1405	1406	1410	1411	1407	1402	1396	1381	1361
27.5	1424	1421	1425	1432	1438	1437	1433	1426	1410	1388
30.0	1435	1433	1439	1452	1464	1465	1464	1457	1438	1412
32.5	1441	1439	1450	1469	1489	1493	1498	1488	1467	1436
35.0	1442	1441	1456	1484	1513	1523	1529	1520	1495	1459
37.5	1439	1438	1461	1498	1539	1557	1561	1554	1524	1481
40.0	1433	1435	1462	1512	1568	1596	1597	1594	1557	1503
42.5	1426	1428	1464	1527	1602	1636	1642	1634	1586	1524
45.0	1419	1423	1467	1548	1640	1681	1687	1675	1616	1543
47.5	1411	1417	1472	1571	1680	1727	1736	1716	1642	1560
50.0	1404	1412	1479	1596	1724	1780	1791	1763	1672	1577
52.5	1402	1407	1489	1622	1774	1837	1848	1810	1709	1596
55.0	1411	1412	1496	1653	1828	1900	1911	1864	1749	1622
57.5	1435	1442	1520	1692	1883	1965	1975	1921	1793	1654
60.0	1475	1479	1559	1739	1934	2029	2024	1970	1831	1690
62.5	1534	1523	1608	1781	1986	2060	2055	1988	1845	1719
65.0	1596	1582	1659	1819	2022	2079	2059	1977	1799	1697
67.5	1657	1634	1713	1843	2040	2108	2095	1979	1693	1537
70.0	1713	1698	1779	1914	2132	2251	2281	2077	1586	1232
72.5	1598	1616	1781	2043	2424	2521	2489	2158	1529	1172
75.0	1152	1187	1495	2059	2467	2350	2217	1789	1278	1086
77.5	935	968	1137	1552	1873	1633	1560	1284	675	556
80.0	546	588	767	1099	1267	1180	1168	767	339	247
82.5	160	172	250	445	615	611	606	489	216	122
85.0	86	87	122	218	308	348	351	321	112	58
87.5	41	42	57	91	144	171	181	165	43	27
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	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202
2.5	1219	1218	1219	1217	1212	1208	1198	1193	1183	1179
5.0	1224	1222	1222	1216	1209	1202	1189	1182	1171	1165
7.5	1232	1227	1226	1218	1207	1197	1182	1171	1158	1151
10.0	1241	1235	1232	1221	1207	1193	1174	1162	1145	1137
12.5	1252	1244	1240	1226	1208	1191	1168	1151	1130	1120
15.0	1265	1256	1251	1233	1212	1190	1161	1140	1113	1100
17.5	1280	1270	1263	1241	1216	1188	1153	1125	1094	1074
20.0	1297	1286	1276	1250	1220	1187	1143	1107	1071	1044
22.5	1315	1303	1291	1261	1224	1182	1130	1084	1039	1006
25.0	1336	1322	1306	1270	1227	1176	1113	1056	1003	965
27.5	1357	1340	1323	1280	1228	1165	1089	1023	962	920

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CANDELA TABULATION - (Cont.)

30.0	1377	1359	1339	1288	1226	1150	1061	984	918	877
32.5	1396	1376	1353	1294	1220	1130	1027	941	874	834
35.0	1414	1392	1366	1298	1210	1103	987	898	832	792
37.5	1430	1408	1377	1300	1196	1074	947	855	792	753
40.0	1444	1421	1387	1300	1181	1040	904	814	756	716
42.5	1458	1433	1394	1298	1162	1004	862	775	720	676
45.0	1469	1442	1399	1291	1140	965	817	738	675	603
47.5	1479	1448	1400	1280	1113	923	775	696	602	509
50.0	1489	1453	1401	1264	1079	878	735	633	513	434
52.5	1498	1456	1397	1238	1033	826	686	561	442	395
55.0	1510	1459	1390	1199	973	766	623	490	395	358
57.5	1529	1468	1379	1143	901	694	549	431	351	307
60.0	1555	1479	1363	1084	823	608	476	375	303	276
62.5	1586	1490	1347	1023	736	522	405	320	262	247
65.0	1593	1487	1328	951	640	452	343	269	209	154
67.5	1477	1418	1264	851	546	386	286	197	122	104
70.0	1167	1170	1100	727	451	312	210	118	93	86
72.5	981	907	841	574	358	238	132	84	72	69
75.0	984	820	642	389	249	150	89	64	55	52
77.5	786	699	500	249	142	75	58	46	39	36
80.0	440	448	347	154	70	41	35	29	24	18
82.5	187	208	185	78	29	21	18	12	6	3
85.0	74	91	86	38	13	8	4	2	1	0
87.5	25	30	27	7	3	1	1	1	1	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

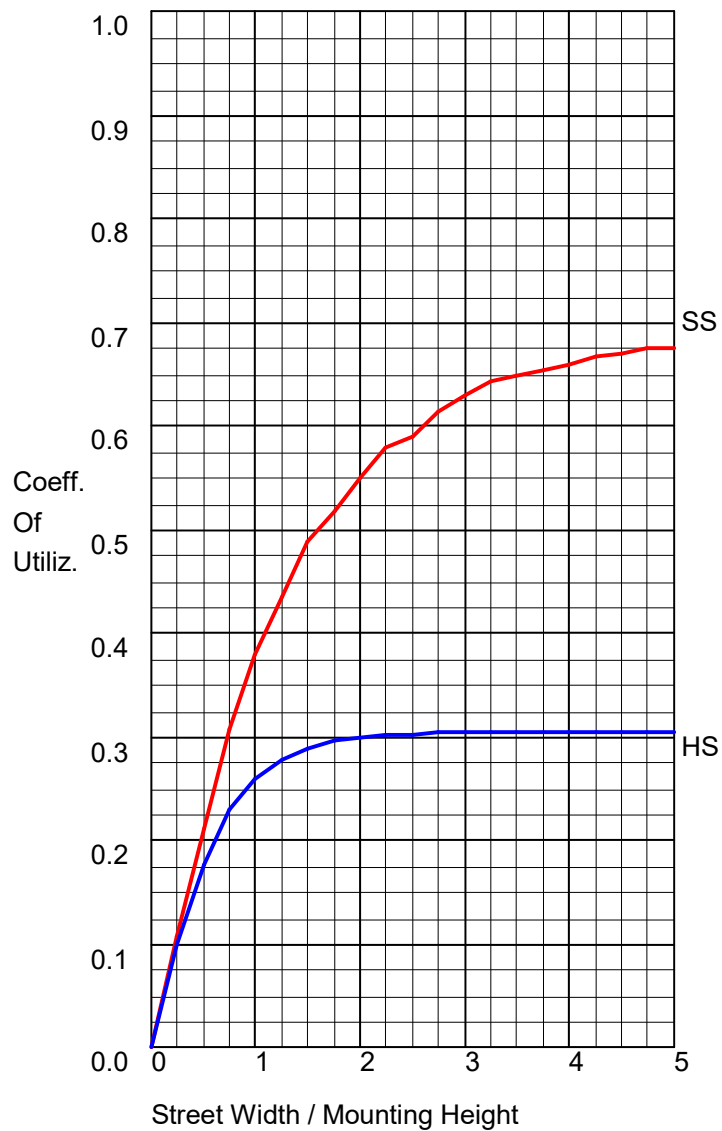
	<u>175.0</u>	<u>180.0</u>
0.0	1202	1202
2.5	1187	1182
5.0	1173	1168
7.5	1157	1153
10.0	1140	1136
12.5	1121	1117
15.0	1099	1095
17.5	1072	1068
20.0	1039	1035
22.5	1000	995
25.0	956	951
27.5	910	906
30.0	865	861
32.5	821	818
35.0	781	780
37.5	744	743
40.0	707	702
42.5	651	646
45.0	564	557
47.5	470	465
50.0	415	413
52.5	388	387
55.0	338	335
57.5	297	298
60.0	272	270
62.5	236	233
65.0	135	133

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CANDELA TABULATION - (Cont.)

67.5	100	100
70.0	83	83
72.5	67	67
75.0	51	51
77.5	36	36
80.0	14	12
82.5	2	2
85.0	0	0
87.5	0	0
90.0	0	0

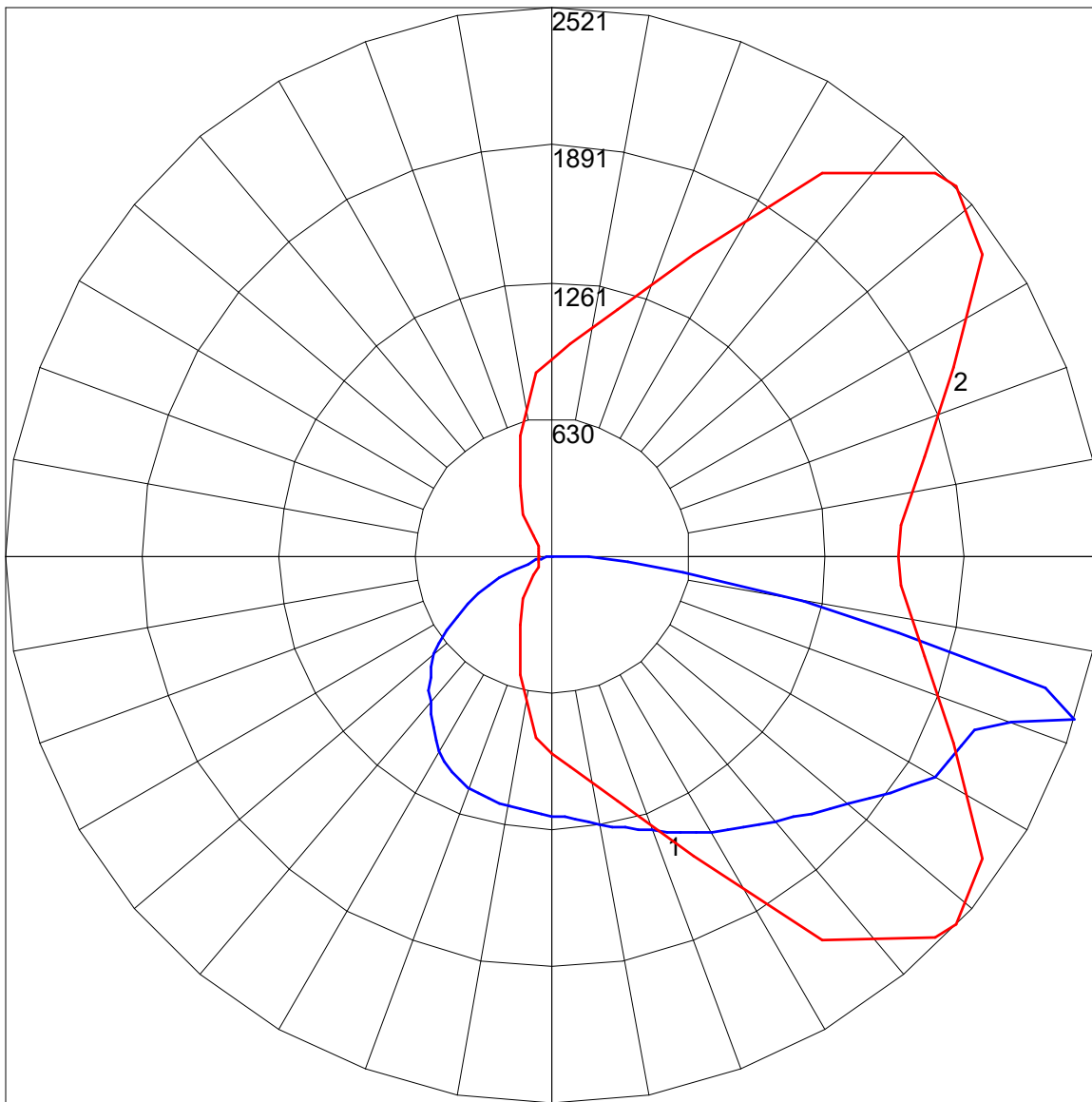
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

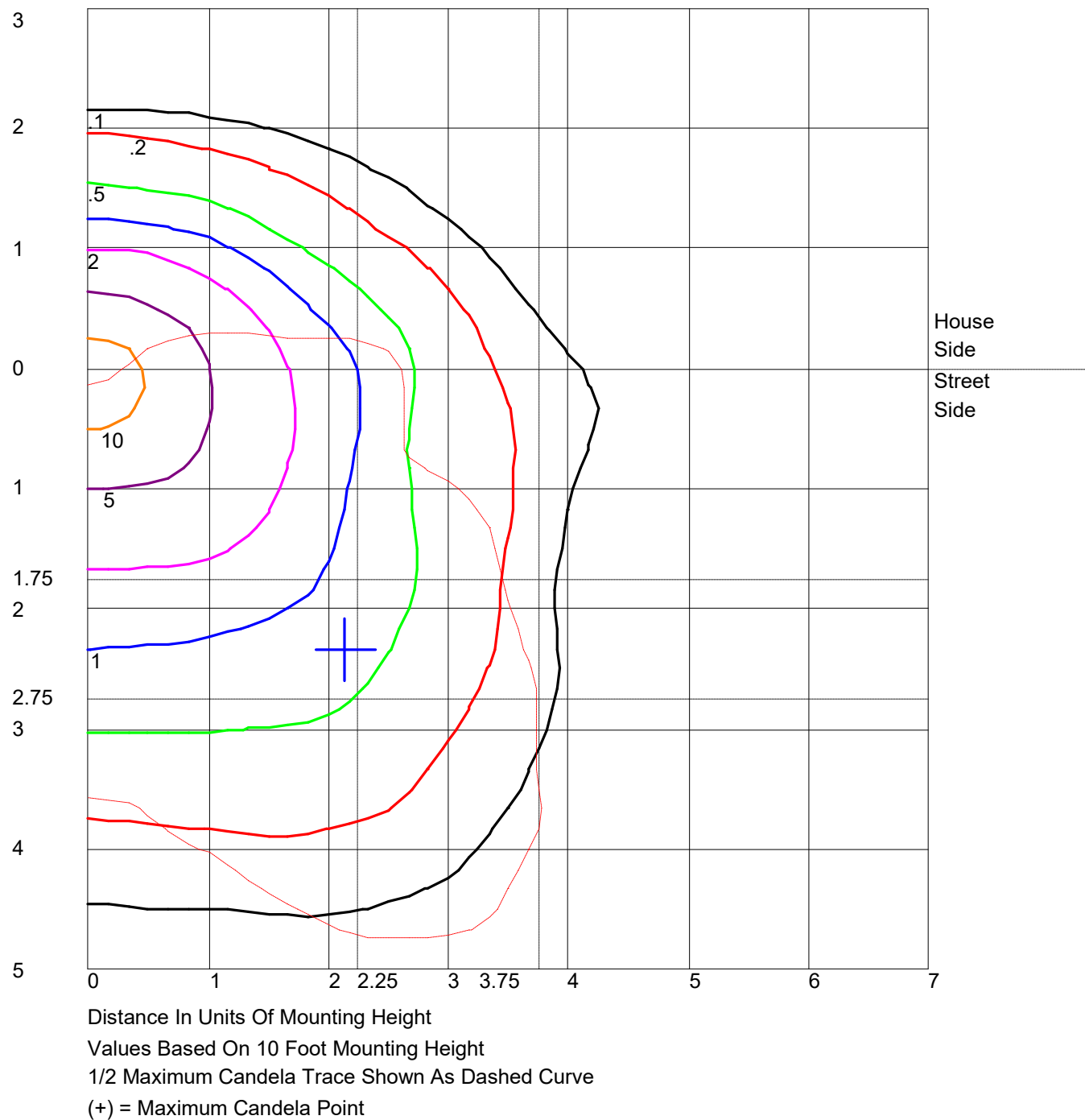
	Lumens	Percent Of Luminaire
Downward Street Side	4173.5	69.3
Downward House Side	1846.5	30.7
Downward Total	6020.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6020.0	100.0

POLAR GRAPH

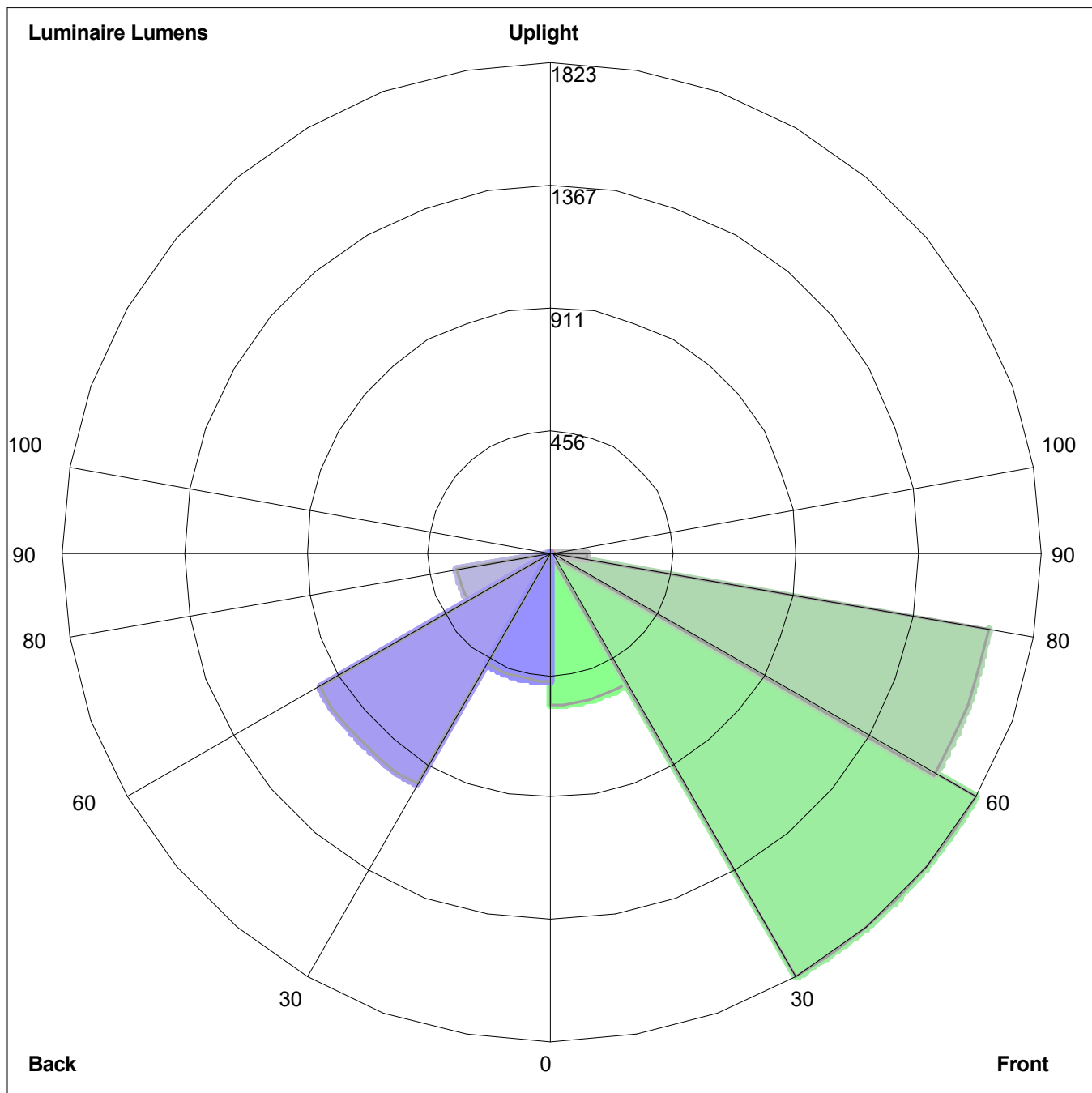


Maximum Candela = 2521 Located At Horizontal Angle = 42.5, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (42.5 - 222.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=565.4, Medium=1822.7, High=1651.3, Very High=134.0
Back: Low=479.8, Medium=997.1, High=355.5, Very High=14.1
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G2