



IES ROAD REPORT

PHOTOMETRIC FILENAME : SMW-LED-06L-FT-UNV-DIM-30.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-30
[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	5695
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	47
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2385
Maximum Candela Angle	42.5H 72.5V
Maximum Candela (<90 Degrees Vertical)	2385
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	1199 (21.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : SMW-LED-06L-FT-UNV-DIM-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	534.9	N.A.	9.4
FM - Front-Medium (30-60)	1724.3	N.A.	30.3
FH - Front-High (60-80)	1562.2	N.A.	27.4
FVH - Front-Very High (80-90)	126.8	N.A.	2.2
BL - Back-Low (0-30)	453.9	N.A.	8.0
BM - Back-Medium (30-60)	943.4	N.A.	16.6
BH - Back-High (60-80)	336.2	N.A.	5.9
BVH - Back-Very High (80-90)	13.3	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	5695.0	N.A.	100.0
BUG Rating	B1-U0-G2		

IES ROAD REPORT
PHOTOMETRIC FILENAME : SMW-LED-06L-FT-UNV-DIM-30.IES

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	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138
2.5	1146	1142	1140	1141	1142	1143	1143	1147	1148	1152
5.0	1165	1160	1157	1158	1156	1156	1157	1158	1159	1159
7.5	1184	1179	1176	1175	1173	1171	1173	1173	1170	1169
10.0	1205	1200	1197	1195	1192	1188	1190	1188	1184	1181
12.5	1227	1221	1218	1216	1212	1206	1209	1205	1199	1194
15.0	1249	1245	1240	1238	1233	1227	1228	1224	1217	1209
17.5	1271	1267	1264	1262	1258	1249	1248	1245	1236	1225
20.0	1293	1289	1286	1286	1282	1273	1273	1268	1257	1244
22.5	1313	1310	1310	1311	1308	1301	1298	1293	1280	1265
25.0	1332	1329	1330	1334	1335	1331	1327	1321	1306	1288
27.5	1347	1344	1348	1355	1361	1359	1355	1349	1334	1313
30.0	1358	1355	1362	1373	1385	1386	1385	1378	1360	1336
32.5	1363	1361	1371	1389	1409	1413	1417	1408	1388	1358
35.0	1364	1363	1378	1404	1431	1440	1446	1438	1415	1380
37.5	1361	1361	1382	1417	1456	1473	1477	1470	1442	1401
40.0	1356	1357	1383	1430	1484	1509	1511	1508	1473	1421
42.5	1349	1351	1385	1445	1515	1548	1553	1546	1501	1442
45.0	1343	1346	1388	1464	1551	1590	1596	1584	1528	1459
47.5	1335	1340	1393	1486	1589	1634	1643	1624	1554	1475
50.0	1328	1336	1399	1510	1631	1684	1694	1668	1582	1492
52.5	1327	1331	1408	1534	1678	1738	1749	1712	1616	1510
55.0	1335	1336	1415	1564	1729	1797	1808	1763	1655	1534
57.5	1358	1365	1438	1601	1781	1859	1869	1817	1696	1565
60.0	1395	1399	1475	1645	1830	1919	1915	1864	1732	1599
62.5	1451	1441	1521	1685	1879	1949	1945	1881	1745	1627
65.0	1510	1496	1570	1721	1913	1966	1948	1870	1702	1605
67.5	1567	1546	1621	1744	1930	1994	1982	1872	1602	1454
70.0	1620	1606	1683	1811	2017	2129	2158	1965	1500	1166
72.5	1512	1529	1685	1932	2293	2385	2354	2041	1446	1109
75.0	1090	1123	1414	1948	2334	2223	2097	1693	1209	1028
77.5	885	916	1076	1468	1772	1545	1476	1215	639	526
80.0	517	556	726	1039	1199	1116	1105	726	321	233
82.5	151	163	236	421	582	578	574	462	204	115
85.0	82	83	115	206	291	329	332	303	106	55
87.5	39	40	54	86	136	162	171	156	41	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	1138	1138	1138	1138	1138	1138	1138	1138	1138	1138
2.5	1154	1152	1154	1151	1147	1143	1133	1128	1119	1116
5.0	1158	1156	1156	1151	1144	1138	1125	1119	1108	1102
7.5	1165	1161	1160	1152	1142	1132	1118	1108	1096	1089
10.0	1174	1169	1166	1155	1142	1129	1111	1099	1083	1075
12.5	1184	1177	1173	1159	1143	1127	1105	1089	1069	1059
15.0	1197	1188	1183	1166	1146	1125	1098	1078	1053	1040
17.5	1211	1202	1194	1174	1150	1124	1091	1065	1035	1016
20.0	1227	1217	1207	1183	1154	1123	1082	1047	1013	987
22.5	1244	1233	1221	1193	1158	1119	1069	1025	983	952
25.0	1264	1250	1236	1202	1160	1112	1053	999	948	913
27.5	1284	1268	1252	1211	1162	1102	1031	967	910	871

IES ROAD REPORT
PHOTOMETRIC FILENAME : SMW-LED-06L-FT-UNV-DIM-30.IES

CANDELA TABULATION - (Cont.)

30.0	1303	1285	1266	1219	1160	1088	1004	931	869	829
32.5	1321	1302	1280	1224	1154	1069	971	890	827	789
35.0	1338	1317	1292	1228	1145	1044	934	850	787	750
37.5	1352	1332	1302	1229	1132	1016	896	809	750	712
40.0	1366	1344	1312	1230	1117	983	855	770	715	678
42.5	1379	1355	1319	1228	1100	950	815	733	681	640
45.0	1390	1364	1324	1221	1078	913	773	698	639	571
47.5	1400	1370	1325	1211	1053	873	733	659	569	482
50.0	1408	1375	1325	1196	1021	831	695	598	485	411
52.5	1417	1377	1322	1171	977	782	649	531	418	374
55.0	1428	1381	1315	1134	921	724	590	464	374	339
57.5	1446	1389	1304	1082	852	657	519	408	332	291
60.0	1471	1399	1290	1025	778	575	450	355	286	262
62.5	1501	1409	1274	967	697	494	383	303	248	234
65.0	1507	1407	1256	900	606	428	324	254	198	145
67.5	1397	1341	1196	805	516	365	270	186	115	98
70.0	1104	1106	1040	687	427	295	198	112	88	81
72.5	928	858	796	543	339	225	125	80	68	66
75.0	931	776	607	368	236	142	84	60	52	49
77.5	743	662	473	235	134	71	55	43	37	34
80.0	416	424	328	146	67	39	33	27	22	17
82.5	176	197	175	74	28	20	17	11	6	3
85.0	70	86	82	36	12	7	4	2	1	0
87.5	24	29	25	6	3	1	1	1	1	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

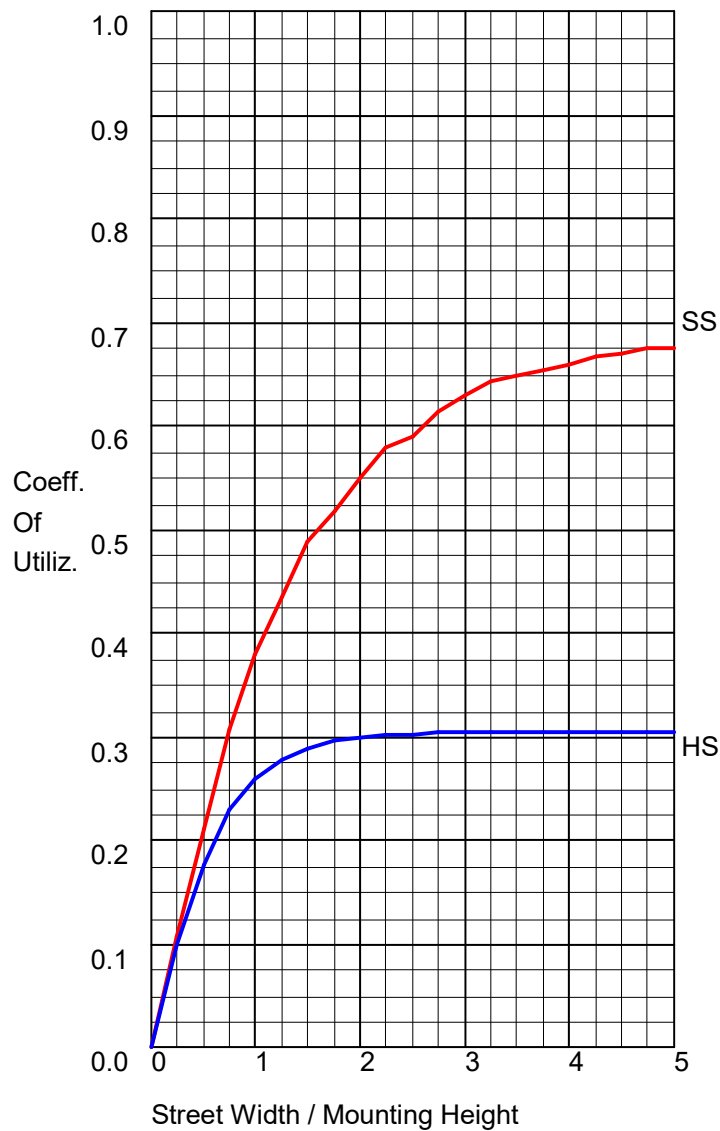
	<u>175.0</u>	<u>180.0</u>
0.0	1138	1138
2.5	1123	1118
5.0	1109	1105
7.5	1094	1090
10.0	1079	1075
12.5	1060	1057
15.0	1039	1036
17.5	1014	1010
20.0	983	979
22.5	946	942
25.0	904	900
27.5	861	857
30.0	818	814
32.5	777	774
35.0	739	737
37.5	704	703
40.0	668	664
42.5	616	612
45.0	533	527
47.5	445	440
50.0	393	391
52.5	367	366
55.0	320	317
57.5	280	282
60.0	258	255
62.5	224	221
65.0	128	126

IES ROAD REPORT
PHOTOMETRIC FILENAME : SMW-LED-06L-FT-UNV-DIM-30.IES

CANDELA TABULATION - (Cont.)

67.5	95	95
70.0	78	78
72.5	64	64
75.0	48	48
77.5	34	34
80.0	13	11
82.5	2	2
85.0	0	0
87.5	0	0
90.0	0	0

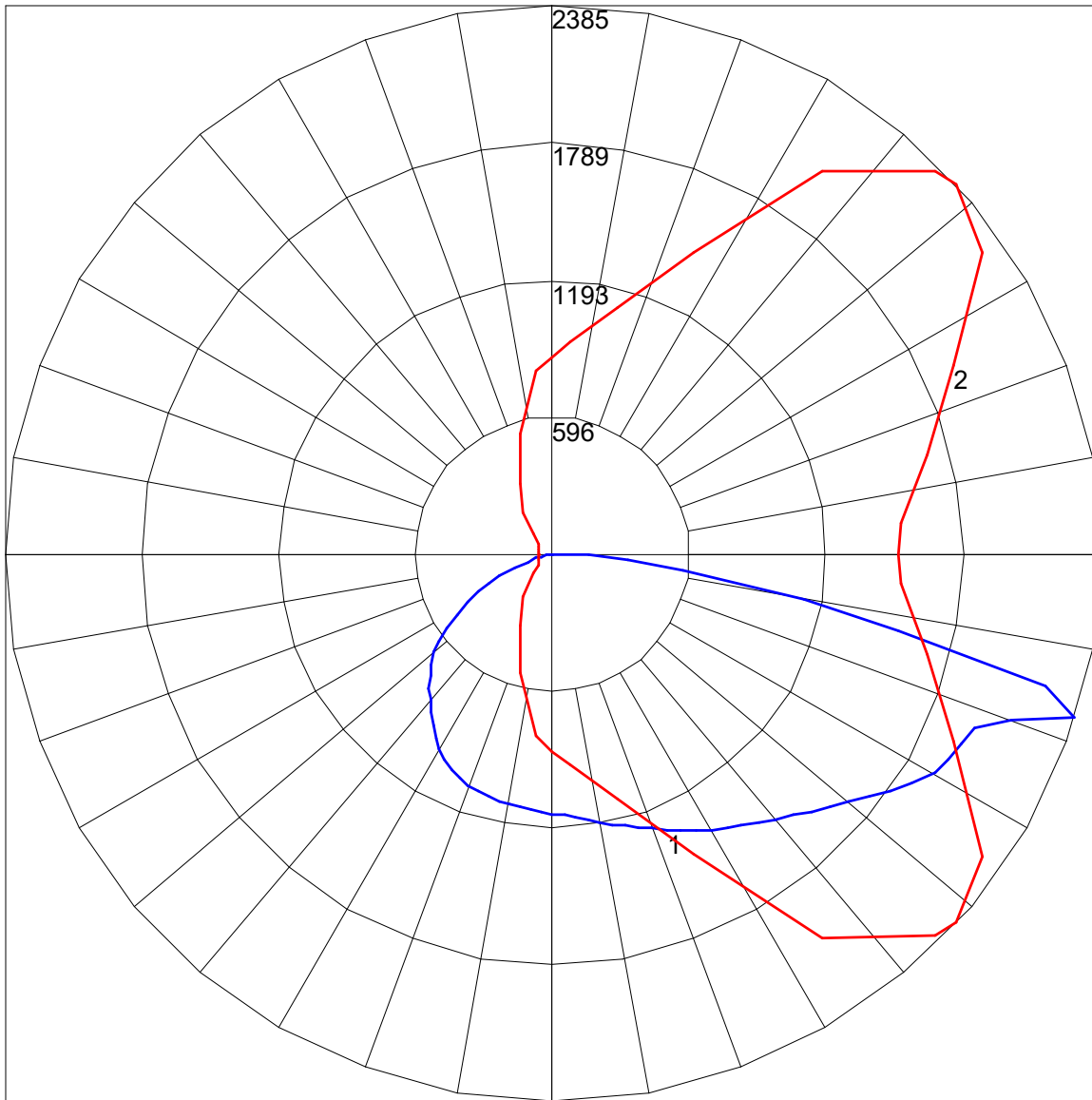
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

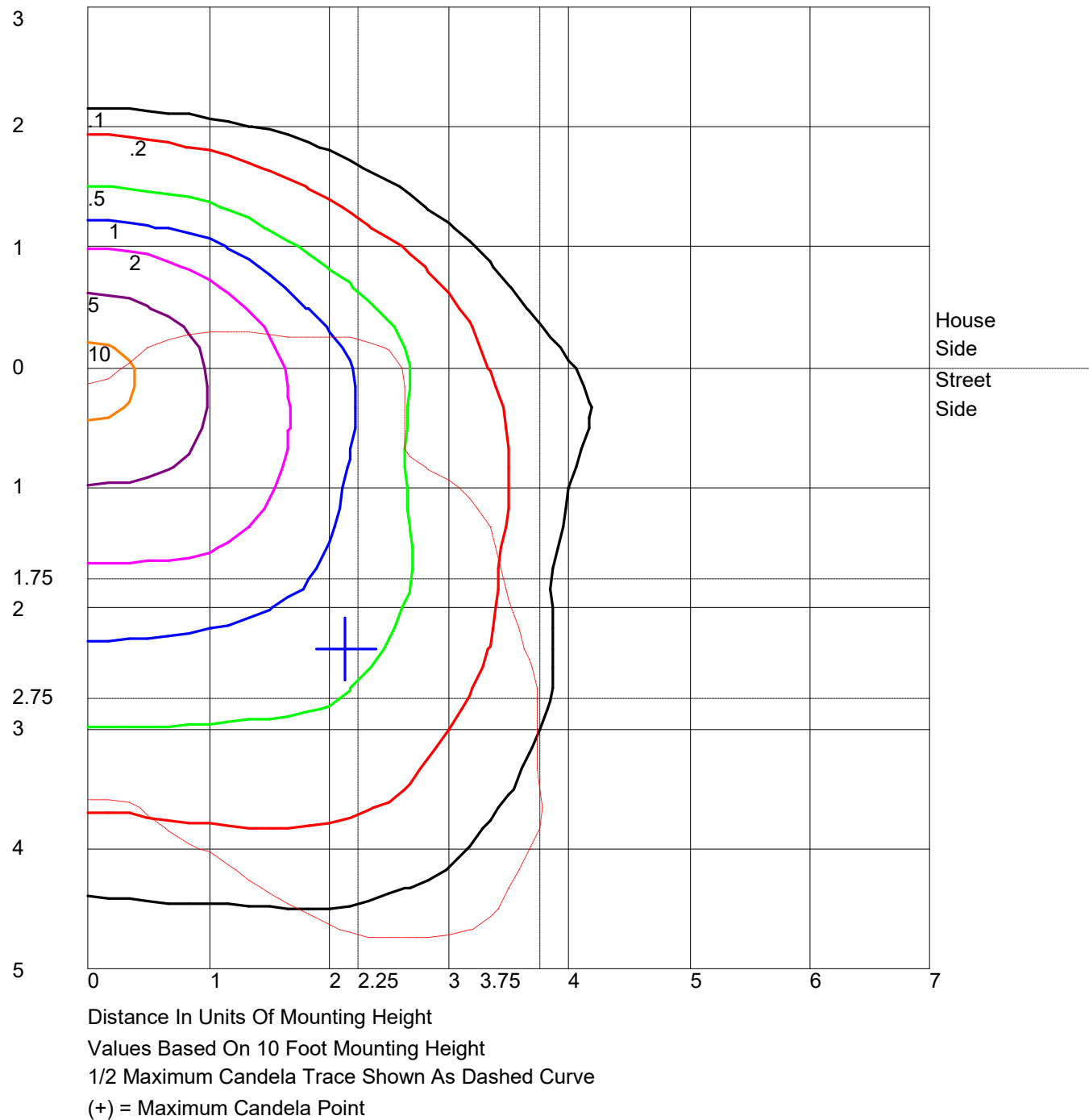
	Lumens	Percent Of Luminaire
Downward Street Side	3948.2	69.3
Downward House Side	1746.8	30.7
Downward Total	5695.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5695.0	100.0

POLAR GRAPH

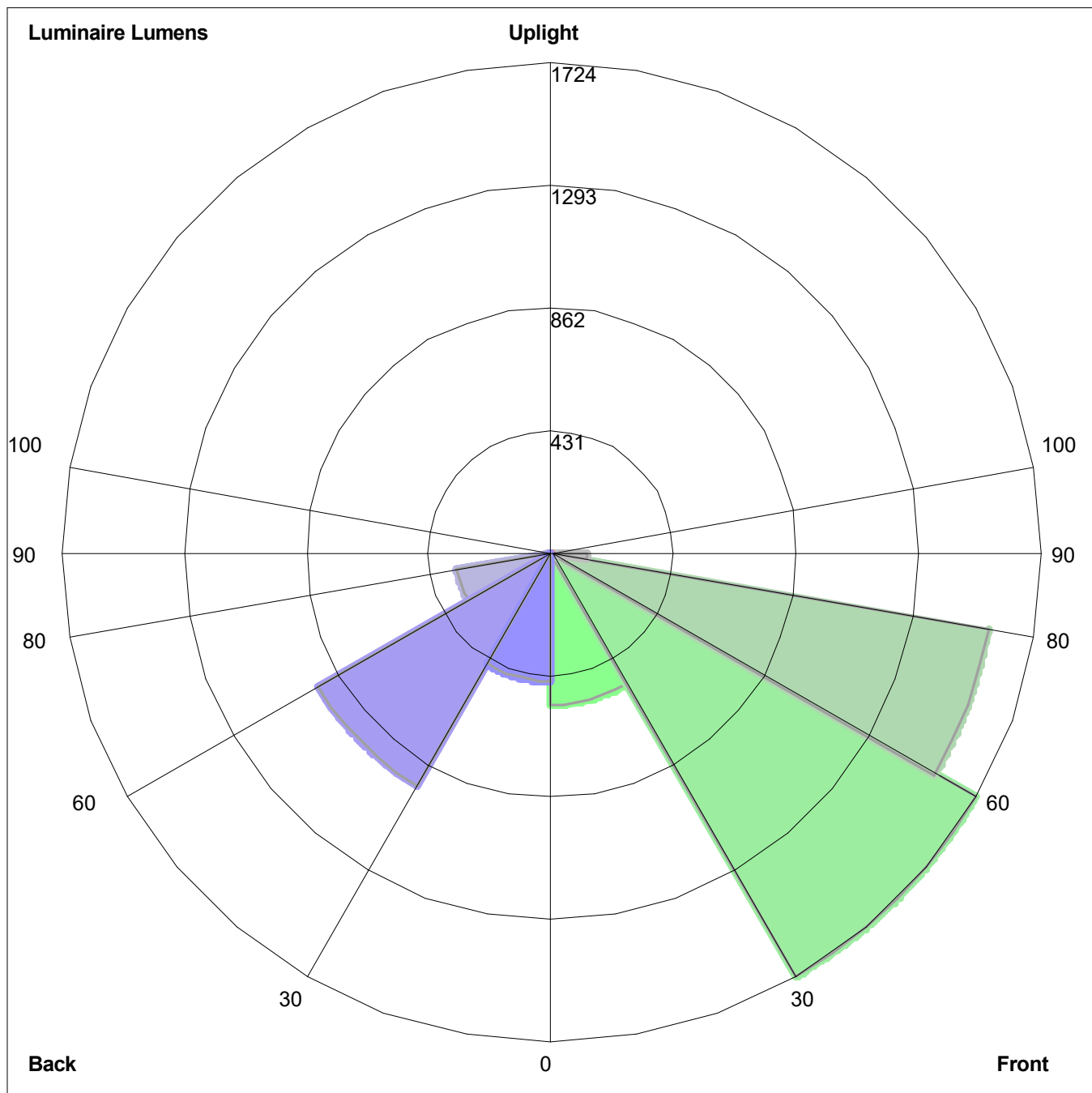


Maximum Candela = 2385 Located At Horizontal Angle = 42.5, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (42.5 - 222.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=534.9, Medium=1724.3, High=1562.2, Very High=126.8
Back: Low=453.9, Medium=943.4, High=336.2, Very High=13.3
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G2