



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-10L-5Q-50K8.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12892
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 10/22/2021
[TEST DATE] 08/18/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] HPG-10L-5Q-50K8
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 5000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10042
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	79
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4894
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	4894
Maximum Candela Angle (<90 Degrees Vertical)	45H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	817 (8.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	497.1	N.A.	5.0
FM - Front-Medium (30-60)	2328.8	N.A.	23.2
FH - Front-High (60-80)	2112.3	N.A.	21.0
FVH - Front-Very High (80-90)	82.9	N.A.	0.8
BL - Back-Low (0-30)	497.1	N.A.	5.0
BM - Back-Medium (30-60)	2328.8	N.A.	23.2
BH - Back-High (60-80)	2112.3	N.A.	21.0
BVH - Back-Very High (80-90)	82.9	N.A.	0.8
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10042.2	N.A.	100.0
BUG Rating	B3-U0-G2		

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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	1148	1148	1148	1148	1148	1148	1148	1148	1148	1148
2.5	1152	1151	1149	1148	1151	1152	1152	1150	1153	1153
5.0	1148	1146	1147	1146	1145	1143	1143	1143	1146	1146
7.5	1138	1138	1139	1133	1136	1139	1137	1133	1137	1136
10.0	1131	1131	1130	1121	1118	1113	1118	1122	1129	1129
12.5	1126	1126	1122	1115	1106	1104	1108	1117	1125	1128
15.0	1127	1127	1120	1107	1103	1107	1106	1111	1126	1130
17.5	1140	1139	1125	1106	1109	1112	1111	1113	1132	1145
20.0	1167	1166	1142	1120	1124	1125	1128	1129	1151	1169
22.5	1204	1204	1171	1153	1153	1154	1159	1161	1177	1205
25.0	1249	1247	1209	1198	1200	1204	1205	1205	1215	1247
27.5	1295	1291	1254	1251	1262	1266	1266	1259	1258	1290
30.0	1347	1342	1306	1313	1327	1328	1328	1316	1308	1343
32.5	1407	1401	1365	1389	1395	1393	1393	1385	1363	1397
35.0	1462	1455	1425	1460	1472	1467	1471	1452	1418	1450
37.5	1519	1512	1479	1525	1553	1551	1549	1513	1467	1512
40.0	1576	1571	1530	1586	1636	1640	1630	1571	1517	1573
42.5	1670	1649	1585	1648	1719	1728	1718	1638	1579	1661
45.0	1843	1816	1682	1718	1807	1818	1818	1723	1683	1847
47.5	1934	1911	1852	1812	1915	1925	1941	1828	1884	1962
50.0	2084	2059	1958	1995	2059	2106	2096	2035	2013	2126
52.5	2295	2273	2161	2200	2303	2379	2351	2265	2216	2337
55.0	2635	2611	2464	2442	2608	2747	2645	2484	2500	2638
57.5	2992	2973	2835	2789	3044	3179	3041	2782	2818	2957
60.0	3210	3189	3102	3125	3541	3737	3475	3081	3079	3176
62.5	3126	3059	3041	3233	3930	4400	3838	3197	3025	3046
65.0	2697	2681	2725	3042	4037	4894	3975	3016	2693	2654
67.5	2102	2158	2282	2682	3869	4663	3796	2614	2224	2103
70.0	1316	1429	1586	2010	3274	3916	3156	1889	1528	1377
72.5	669	788	945	1286	2377	2990	2260	1203	899	761
75.0	370	430	553	792	1456	2021	1443	762	546	422
77.5	252	273	324	528	988	1459	1013	524	325	272
80.0	181	186	202	312	677	817	713	319	208	186
82.5	122	121	134	230	318	365	343	230	138	121
85.0	66	71	90	155	211	109	222	147	92	72
87.5	37	42	52	66	92	30	85	56	52	42
90.0	0	0	0	0	0	0	0	0	0	0

**Vert.
Angles** **Horizontal Angles**

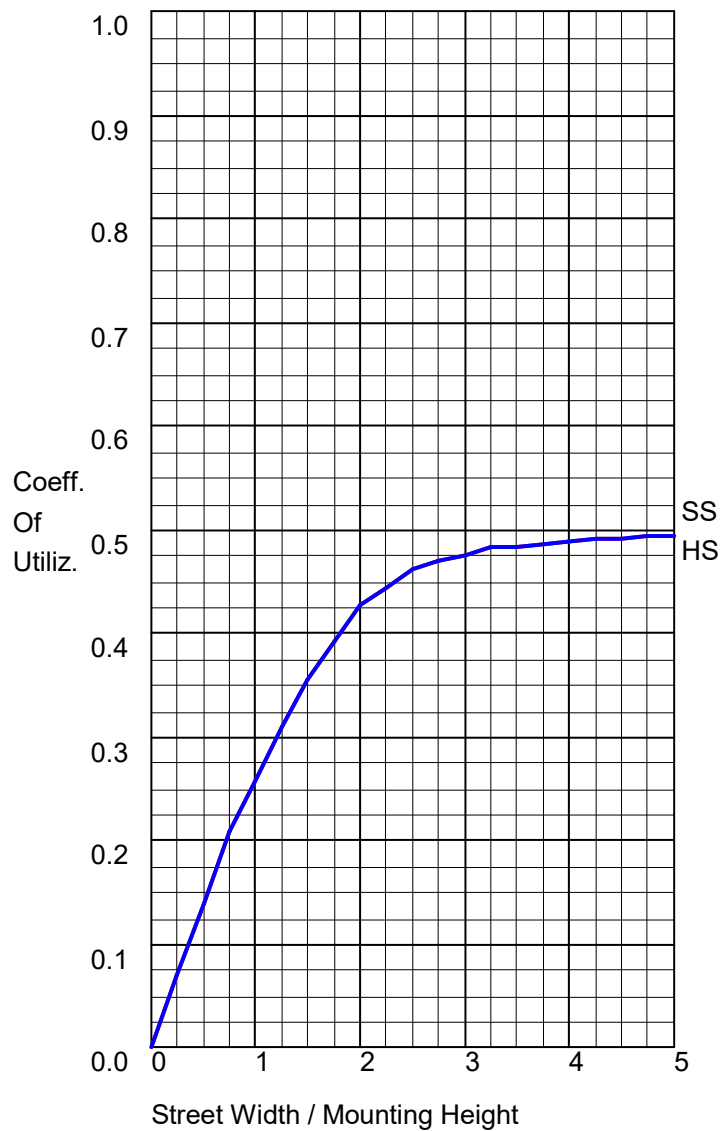
	<u>90</u>
0.0	1148
2.5	1152
5.0	1145
7.5	1135
10.0	1129
12.5	1127
15.0	1129
17.5	1144
20.0	1167
22.5	1202
25.0	1245
27.5	1291

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CANDELA TABULATION - (Cont.)

30.0	1346
32.5	1403
35.0	1457
37.5	1518
40.0	1580
42.5	1675
45.0	1869
47.5	1976
50.0	2135
52.5	2334
55.0	2649
57.5	2962
60.0	3183
62.5	3063
65.0	2646
67.5	2063
70.0	1299
72.5	675
75.0	367
77.5	246
80.0	180
82.5	121
85.0	67
87.5	38
90.0	0

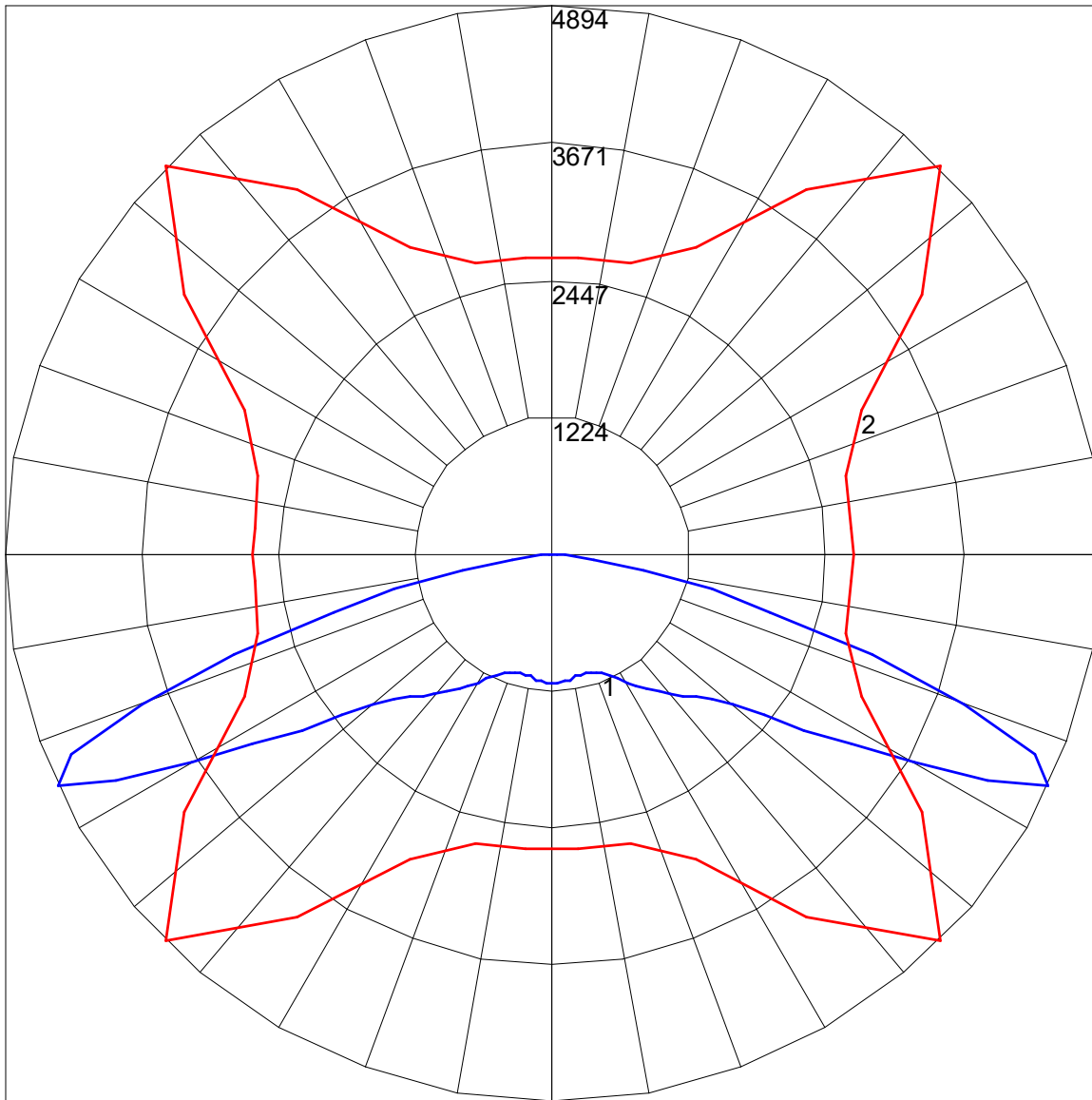
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

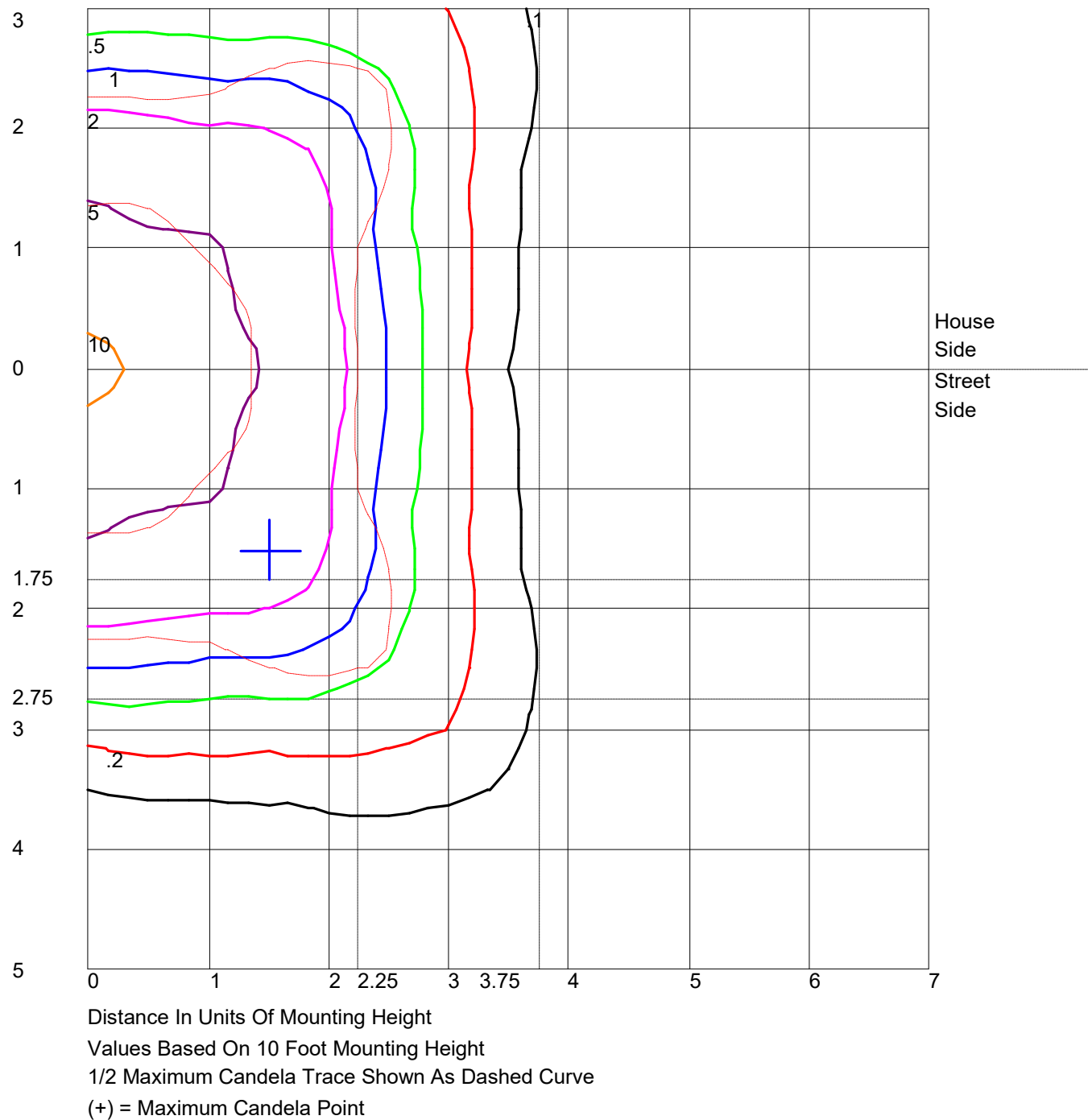
	Lumens	Percent Of Luminaire
Downward Street Side	5021.2	50.0
Downward House Side	5021.2	50.0
Downward Total	10042.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10042.4	100.0

POLAR GRAPH

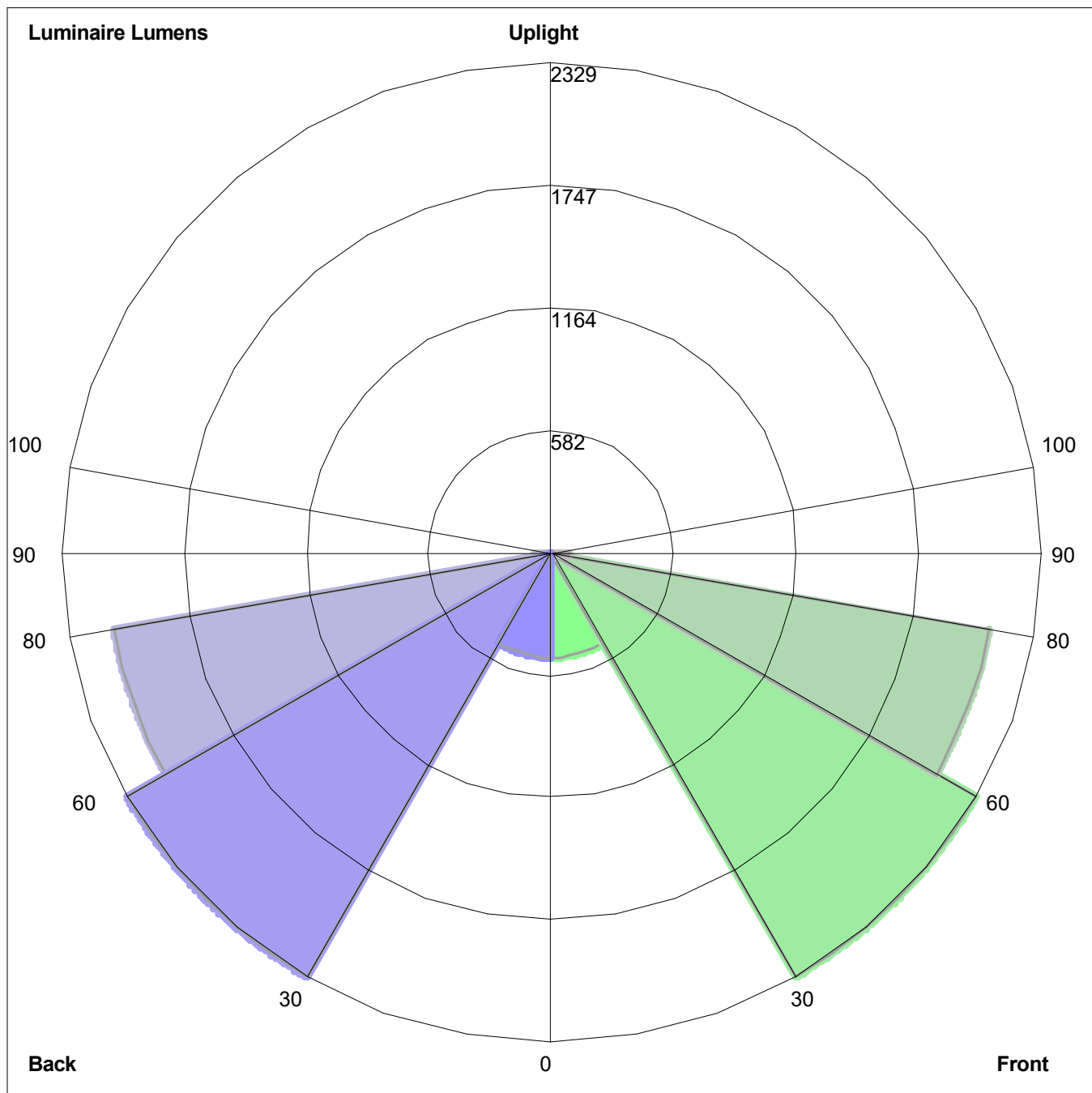


Maximum Candela = 4894 Located At Horizontal Angle = 45, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=497.1, Medium=2328.8, High=2112.3, Very High=82.9
Back: Low=497.1, Medium=2328.8, High=2112.3, Very High=82.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2