



## IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-10L-5Q-30K8.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  
[MANUFACTURER] LSI INDUSTRIES, INC.  
[LUMCAT] HPG-10L-5Q-30K8  
[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] 3000

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9647
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	79
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4701
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	4701
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	785 (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)	477.6	N.A.	5.0
FM - Front-Medium (30-60)	2237.1	N.A.	23.2
FH - Front-High (60-80)	2029.1	N.A.	21.0
FVH - Front-Very High (80-90)	79.7	N.A.	0.8
BL - Back-Low (0-30)	477.6	N.A.	5.0
BM - Back-Medium (30-60)	2237.1	N.A.	23.2
BH - Back-High (60-80)	2029.1	N.A.	21.0
BVH - Back-Very High (80-90)	79.7	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	9647.0	N.A.	100.0
BUG Rating	B3-U0-G2		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0</b></u>	<u><b>5</b></u>	<u><b>15</b></u>	<u><b>25</b></u>	<u><b>35</b></u>	<u><b>45</b></u>	<u><b>55</b></u>	<u><b>65</b></u>	<u><b>75</b></u>	<u><b>85</b></u>
<b>0.0</b>	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103
<b>2.5</b>	1107	1106	1104	1103	1106	1107	1107	1105	1108	1108
<b>5.0</b>	1103	1101	1102	1101	1100	1098	1098	1098	1101	1101
<b>7.5</b>	1093	1093	1094	1088	1091	1094	1092	1088	1092	1091
<b>10.0</b>	1086	1086	1086	1077	1074	1069	1074	1078	1085	1085
<b>12.5</b>	1082	1082	1078	1071	1062	1061	1064	1073	1081	1084
<b>15.0</b>	1083	1083	1076	1063	1060	1063	1062	1067	1082	1086
<b>17.5</b>	1095	1094	1081	1062	1065	1068	1067	1069	1087	1100
<b>20.0</b>	1121	1120	1097	1076	1080	1081	1084	1085	1106	1123
<b>22.5</b>	1157	1157	1125	1108	1108	1109	1113	1115	1131	1158
<b>25.0</b>	1200	1198	1161	1151	1153	1157	1158	1158	1167	1198
<b>27.5</b>	1244	1240	1205	1202	1212	1216	1216	1209	1208	1239
<b>30.0</b>	1294	1289	1255	1261	1275	1276	1276	1264	1257	1290
<b>32.5</b>	1352	1346	1311	1334	1340	1338	1338	1330	1309	1342
<b>35.0</b>	1404	1398	1369	1403	1414	1409	1413	1395	1362	1393
<b>37.5</b>	1459	1452	1421	1465	1492	1490	1488	1453	1409	1452
<b>40.0</b>	1514	1509	1470	1524	1572	1575	1566	1509	1457	1511
<b>42.5</b>	1604	1584	1523	1583	1651	1660	1650	1574	1517	1596
<b>45.0</b>	1770	1745	1616	1650	1736	1746	1746	1655	1617	1774
<b>47.5</b>	1858	1836	1779	1741	1840	1849	1865	1756	1810	1885
<b>50.0</b>	2002	1978	1881	1916	1978	2023	2013	1955	1934	2042
<b>52.5</b>	2205	2184	2076	2113	2212	2285	2258	2176	2129	2245
<b>55.0</b>	2531	2508	2367	2346	2505	2639	2541	2386	2402	2534
<b>57.5</b>	2874	2856	2723	2679	2924	3054	2921	2672	2707	2841
<b>60.0</b>	3084	3063	2980	3002	3402	3590	3338	2960	2958	3051
<b>62.5</b>	3003	2939	2921	3106	3775	4227	3687	3071	2906	2926
<b>65.0</b>	2591	2575	2618	2922	3878	4701	3819	2897	2587	2550
<b>67.5</b>	2019	2073	2192	2576	3717	4479	3647	2511	2136	2020
<b>70.0</b>	1264	1373	1524	1931	3145	3762	3032	1815	1468	1323
<b>72.5</b>	643	757	908	1235	2283	2872	2171	1156	864	731
<b>75.0</b>	355	413	531	761	1399	1941	1386	732	525	405
<b>77.5</b>	242	262	311	507	949	1402	973	503	312	261
<b>80.0</b>	174	179	194	300	650	785	685	306	200	179
<b>82.5</b>	117	116	129	221	305	351	329	221	133	116
<b>85.0</b>	63	68	86	149	203	105	213	141	88	69
<b>87.5</b>	36	40	50	63	88	29	82	54	50	40
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

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

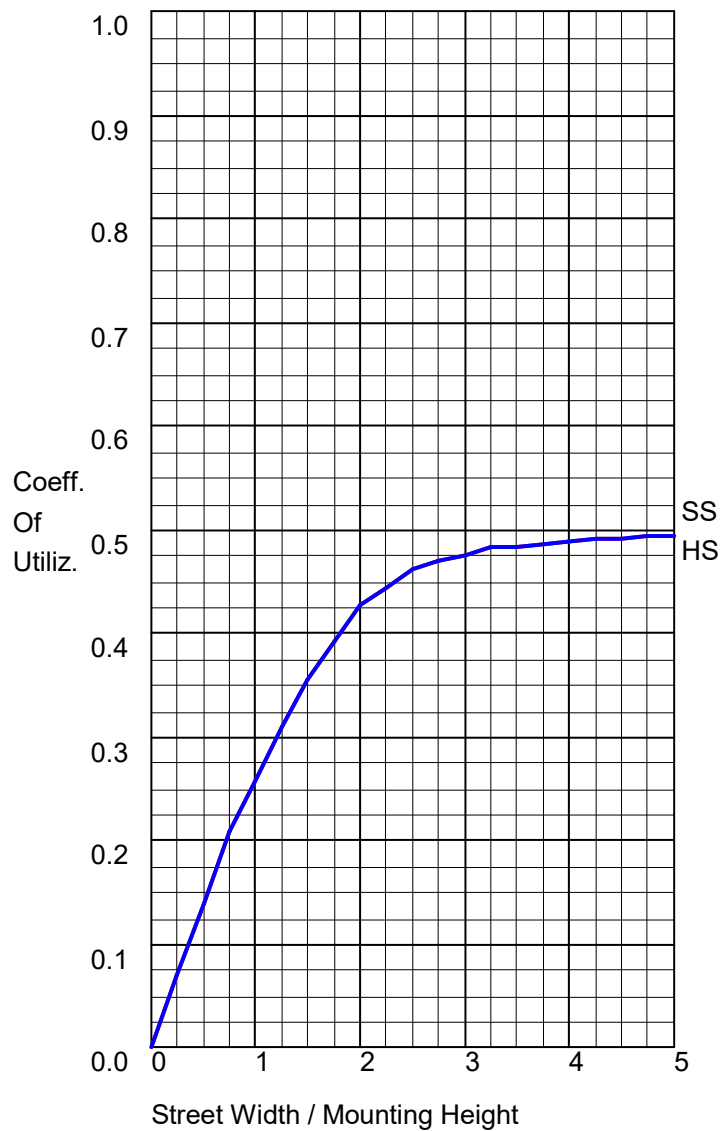
	<u><b>90</b></u>
<b>0.0</b>	1103
<b>2.5</b>	1107
<b>5.0</b>	1100
<b>7.5</b>	1090
<b>10.0</b>	1085
<b>12.5</b>	1083
<b>15.0</b>	1085
<b>17.5</b>	1099
<b>20.0</b>	1121
<b>22.5</b>	1155
<b>25.0</b>	1196
<b>27.5</b>	1240

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	1293
<b>32.5</b>	1348
<b>35.0</b>	1400
<b>37.5</b>	1458
<b>40.0</b>	1518
<b>42.5</b>	1609
<b>45.0</b>	1795
<b>47.5</b>	1898
<b>50.0</b>	2051
<b>52.5</b>	2242
<b>55.0</b>	2545
<b>57.5</b>	2845
<b>60.0</b>	3058
<b>62.5</b>	2942
<b>65.0</b>	2542
<b>67.5</b>	1982
<b>70.0</b>	1248
<b>72.5</b>	648
<b>75.0</b>	353
<b>77.5</b>	236
<b>80.0</b>	173
<b>82.5</b>	116
<b>85.0</b>	64
<b>87.5</b>	37
<b>90.0</b>	0

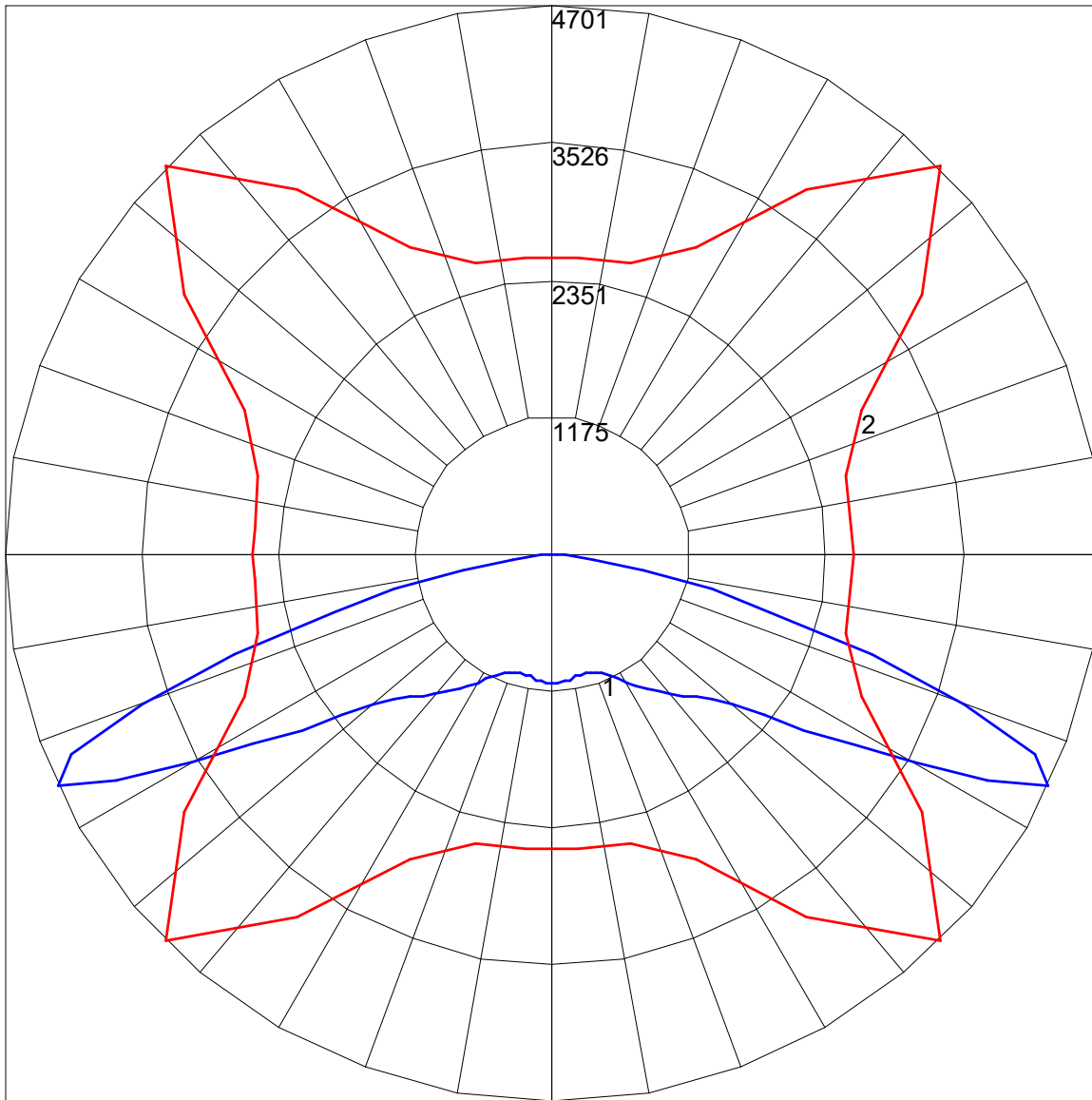
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

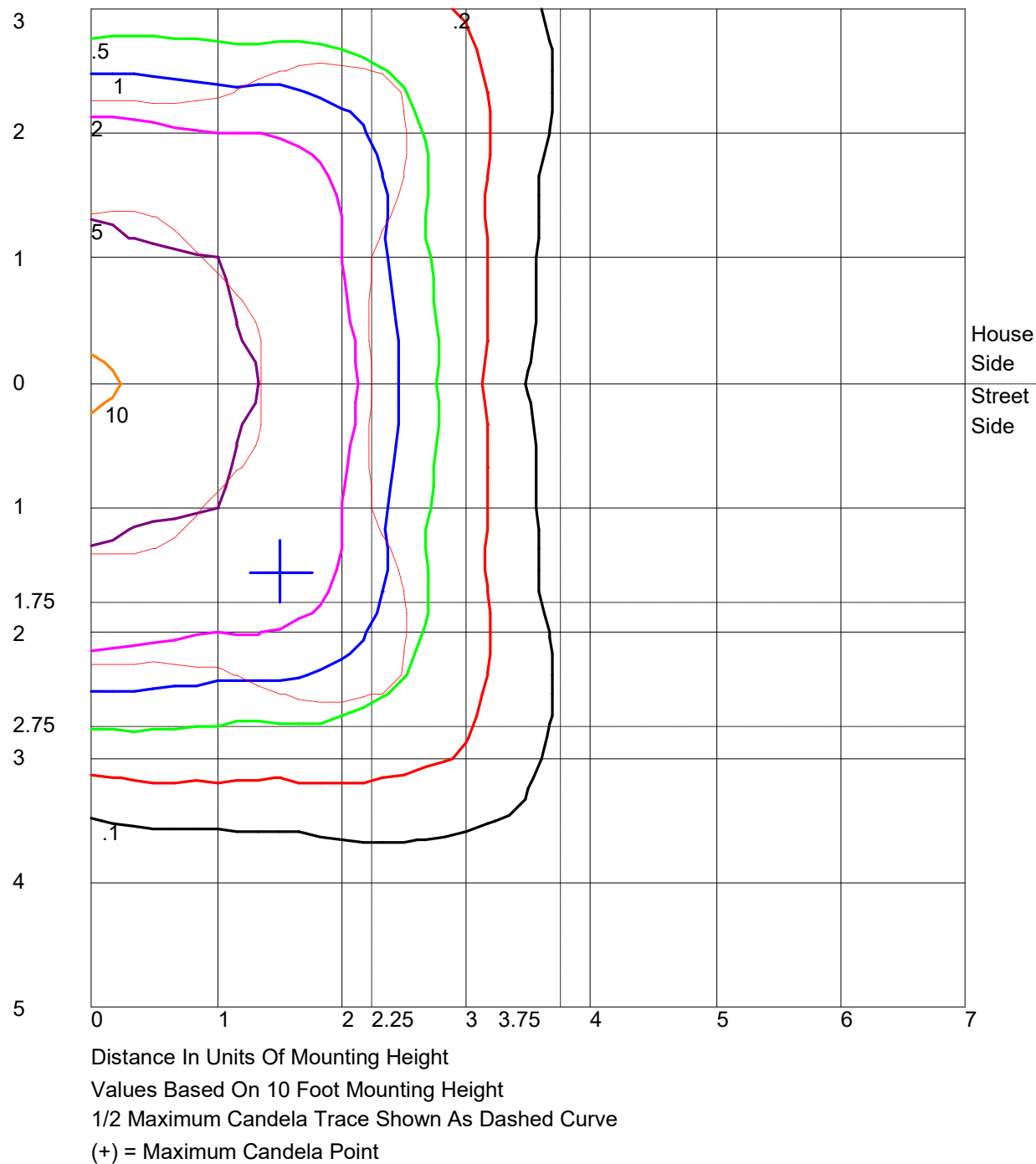
	Lumens	Percent Of Luminaire
Downward Street Side	4823.4	50.0
Downward House Side	4823.4	50.0
Downward Total	9646.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9646.8	100.0

POLAR GRAPH

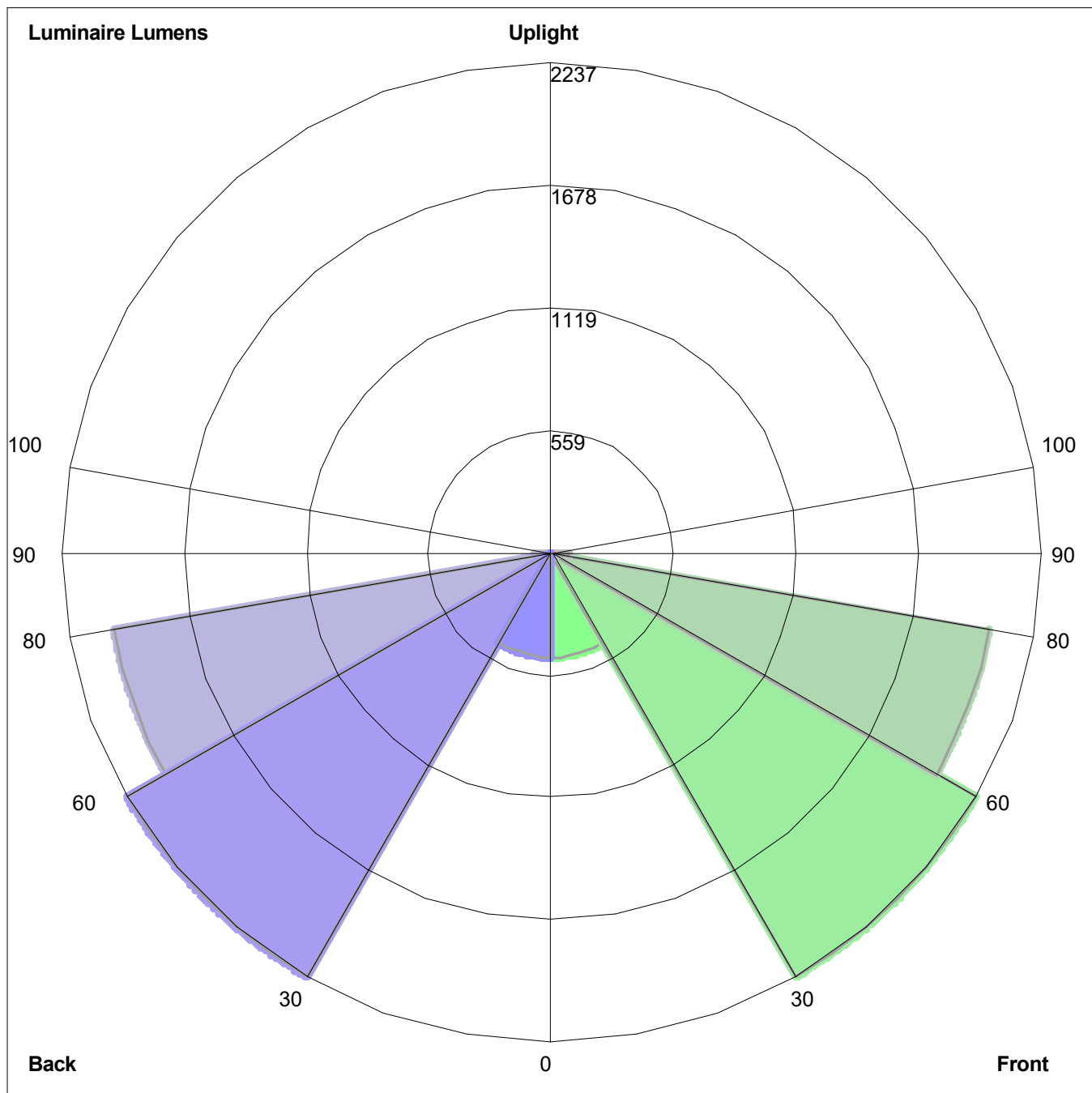


Maximum Candela = 4701 Located At Horizontal Angle = 45, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=477.6, Medium=2237.1, High=2029.1, Very High=79.7  
Back: Low=477.6, Medium=2237.1, High=2029.1, Very High=79.7  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2