



## IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5W-30-70CRI.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-10492  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 01/23/2020  
[TEST DATE] 08/07/18  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] EXN-EGLED-06L-T5W-30-70CRI  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Outdoor

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5930
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	44
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1524
Maximum Candela Angle	90H 60V
Maximum Candela (<90 Degrees Vertical)	1524
Maximum Candela Angle (<90 Degrees Vertical)	90H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	592 (10.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	224.5	N.A.	3.8
FM - Front-Medium (30-60)	1416.7	N.A.	23.9
FH - Front-High (60-80)	1194.8	N.A.	20.1
FVH - Front-Very High (80-90)	129.2	N.A.	2.2
BL - Back-Low (0-30)	224.5	N.A.	3.8
BM - Back-Medium (30-60)	1416.7	N.A.	23.9
BH - Back-High (60-80)	1194.8	N.A.	20.1
BVH - Back-Very High (80-90)	129.2	N.A.	2.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5930.4	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	262	262	262	262	262	262	262	262	262	262
2.5	263	263	263	263	263	263	263	263	262	263
5.0	273	273	274	274	274	273	273	273	273	273
7.5	291	292	293	293	292	291	291	291	291	291
10.0	316	317	318	318	318	316	316	315	316	317
12.5	351	352	353	353	353	351	350	350	351	353
15.0	395	397	398	398	397	395	394	395	395	397
17.5	449	449	449	448	448	448	446	448	448	448
20.0	511	509	509	508	507	508	508	507	508	507
22.5	578	577	576	574	574	574	576	575	575	573
25.0	650	649	648	647	647	648	647	647	649	646
27.5	726	726	725	723	722	722	722	722	723	722
30.0	803	804	802	802	801	802	799	799	800	802
32.5	878	879	880	881	880	877	874	873	875	877
35.0	950	952	954	957	953	951	946	945	949	951
37.5	1020	1022	1026	1028	1025	1021	1015	1015	1019	1021
40.0	1087	1089	1095	1096	1092	1087	1082	1081	1084	1088
42.5	1149	1154	1158	1159	1156	1151	1145	1145	1148	1151
45.0	1207	1213	1220	1220	1219	1215	1205	1204	1211	1214
47.5	1268	1271	1284	1282	1281	1280	1267	1265	1279	1278
50.0	1324	1327	1345	1344	1344	1344	1327	1327	1345	1343
52.5	1377	1382	1405	1404	1405	1408	1385	1385	1411	1408
55.0	1418	1427	1455	1456	1459	1459	1433	1434	1464	1466
57.5	1443	1455	1489	1495	1496	1496	1464	1466	1504	1508
60.0	1446	1461	1500	1505	1508	1508	1471	1476	1518	1523
62.5	1427	1442	1480	1486	1489	1491	1455	1461	1501	1505
65.0	1382	1394	1430	1437	1441	1440	1408	1415	1451	1458
67.5	1307	1317	1353	1361	1365	1363	1331	1337	1374	1382
70.0	1201	1214	1248	1255	1259	1258	1222	1228	1266	1274
72.5	1075	1083	1118	1123	1126	1124	1095	1101	1131	1139
75.0	927	933	959	965	966	964	943	950	972	971
77.5	760	759	774	766	776	785	773	777	792	784
80.0	579	577	576	575	575	590	587	592	591	586
82.5	390	384	383	383	383	389	397	395	389	388
85.0	205	205	205	206	206	205	213	205	208	209
87.5	60	64	64	65	65	64	63	61	66	66
90.0	0	0	0	0	0	0	0	0	0	0

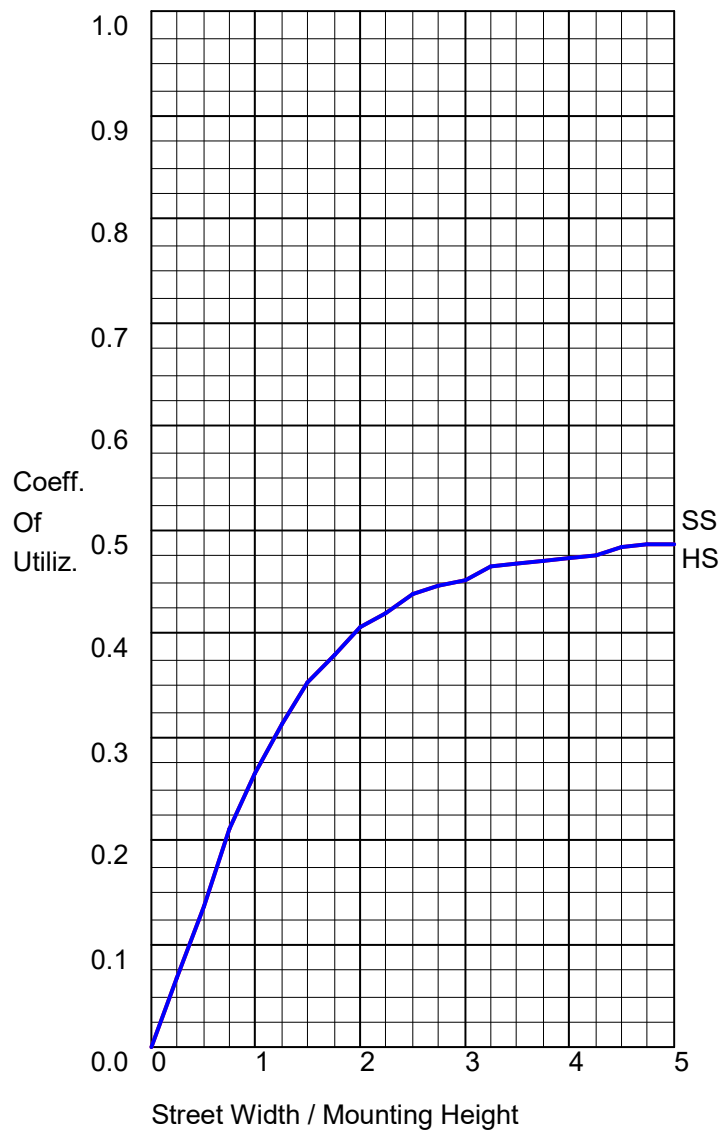
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	262
2.5	263
5.0	274
7.5	292
10.0	318
12.5	353
15.0	396
17.5	447
20.0	507
22.5	573
25.0	646
27.5	721

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	799
<b>32.5</b>	874
<b>35.0</b>	952
<b>37.5</b>	1021
<b>40.0</b>	1089
<b>42.5</b>	1149
<b>45.0</b>	1213
<b>47.5</b>	1277
<b>50.0</b>	1342
<b>52.5</b>	1407
<b>55.0</b>	1467
<b>57.5</b>	1509
<b>60.0</b>	1524
<b>62.5</b>	1505
<b>65.0</b>	1457
<b>67.5</b>	1382
<b>70.0</b>	1275
<b>72.5</b>	1139
<b>75.0</b>	975
<b>77.5</b>	791
<b>80.0</b>	579
<b>82.5</b>	385
<b>85.0</b>	206
<b>87.5</b>	65
<b>90.0</b>	0

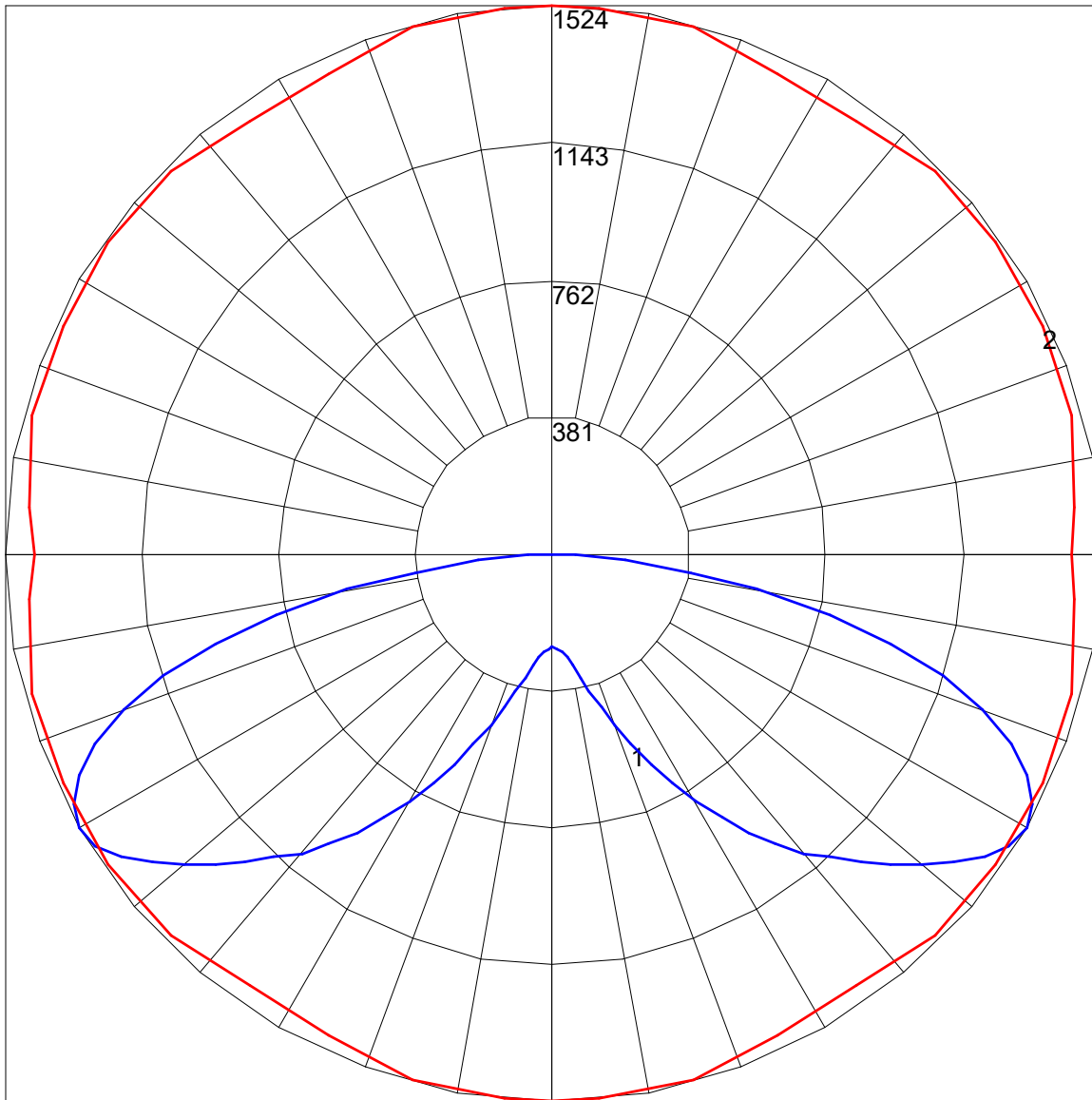
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

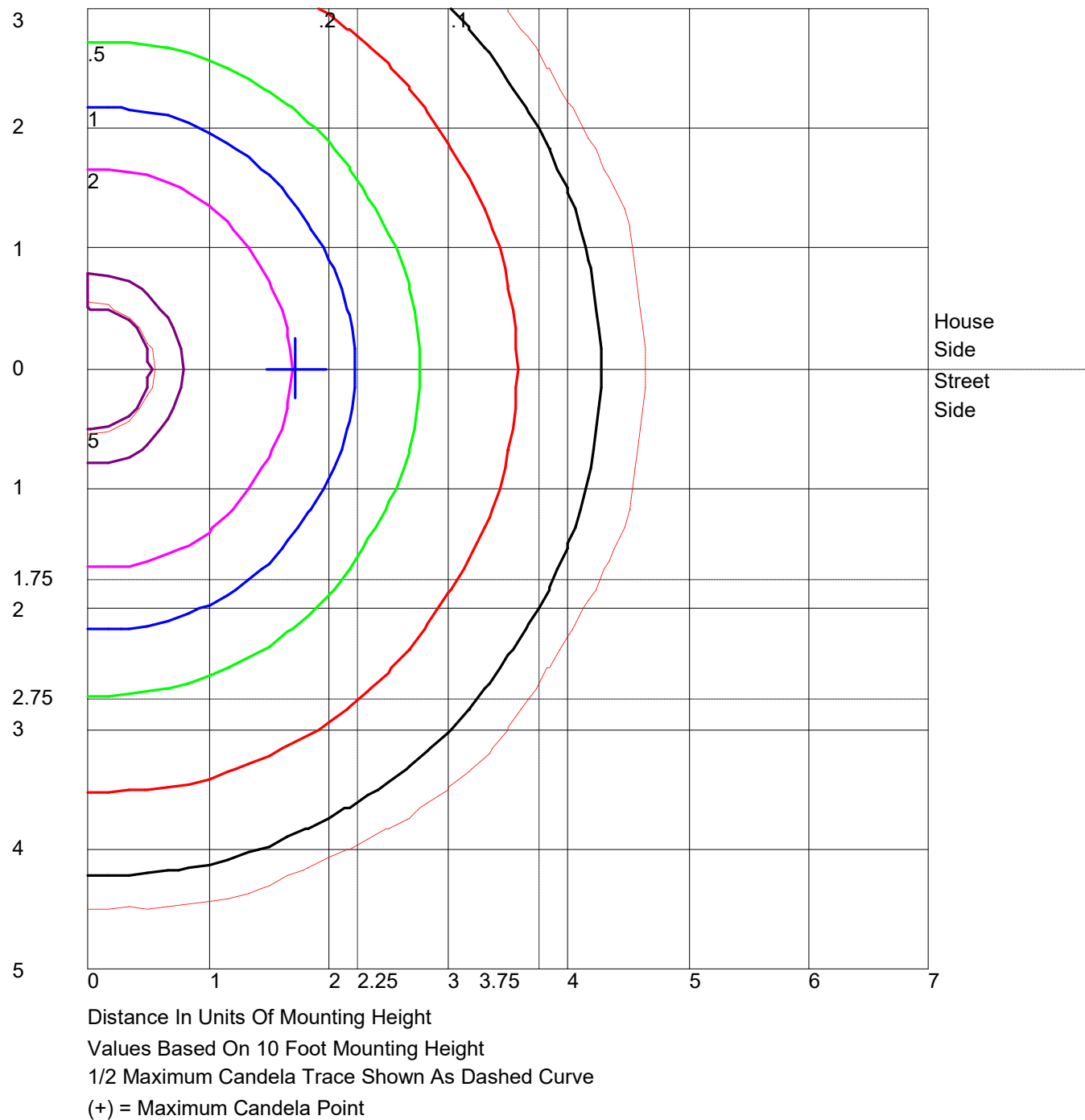
	Lumens	Percent Of Luminaire
Downward Street Side	2965.2	50.0
Downward House Side	2965.2	50.0
Downward Total	5930.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5930.4	100.0

POLAR GRAPH

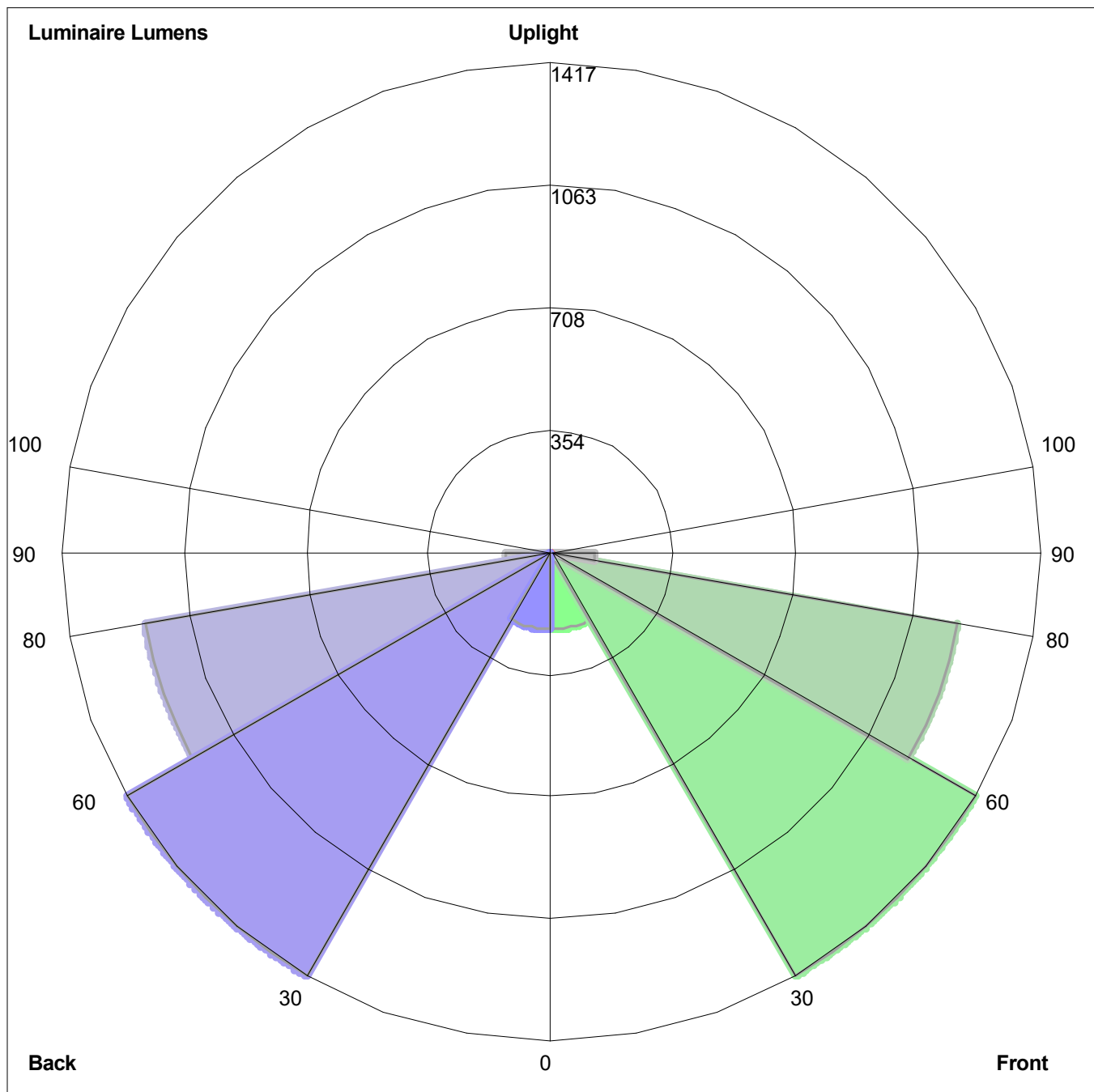


Maximum Candela = 1524 Located At Horizontal Angle = 90, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=224.5, Medium=1416.7, High=1194.8, Very High=129.2  
Back: Low=224.5, Medium=1416.7, High=1194.8, Very High=129.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2