



## IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-30-70CRI.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-10490  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 01/23/2020  
[TEST DATE] 08/07/18  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] EXN-EGLED-05L-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	4960
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	37
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1276
Maximum Candela Angle	90H 60V
Maximum Candela (<90 Degrees Vertical)	1276
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	495 (10.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-30-70CRI.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	188.1	N.A.	3.8
FM - Front-Medium (30-60)	1185.7	N.A.	23.9
FH - Front-High (60-80)	998.6	N.A.	20.1
FVH - Front-Very High (80-90)	107.6	N.A.	2.2
BL - Back-Low (0-30)	188.1	N.A.	3.8
BM - Back-Medium (30-60)	1185.7	N.A.	23.9
BH - Back-High (60-80)	998.6	N.A.	20.1
BVH - Back-Very High (80-90)	107.6	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	4960.0	N.A.	100.0
BUG Rating	B2-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>	220	220	220	220	220	220	220	220	220	220
<b>2.5</b>	221	221	221	221	221	221	221	221	221	221
<b>5.0</b>	230	229	229	229	229	229	229	229	229	228
<b>7.5</b>	244	244	243	244	243	244	244	244	244	243
<b>10.0</b>	265	266	266	266	266	266	266	266	265	265
<b>12.5</b>	295	295	295	294	295	294	294	294	295	293
<b>15.0</b>	331	332	332	330	331	331	331	331	331	330
<b>17.5</b>	375	376	377	377	375	375	375	375	375	376
<b>20.0</b>	424	426	428	427	426	426	424	424	424	425
<b>22.5</b>	480	481	484	484	482	482	479	479	480	482
<b>25.0</b>	543	543	546	545	544	543	538	538	542	543
<b>27.5</b>	607	608	609	609	609	606	603	602	607	607
<b>30.0</b>	674	672	673	673	672	670	668	667	669	670
<b>32.5</b>	737	735	737	737	735	733	732	730	733	733
<b>35.0</b>	798	797	800	800	798	795	793	793	794	795
<b>37.5</b>	856	856	859	859	857	856	852	851	854	855
<b>40.0</b>	912	914	914	914	914	912	909	908	909	909
<b>42.5</b>	964	966	968	967	967	963	961	960	962	962
<b>45.0</b>	1013	1015	1021	1021	1019	1016	1010	1009	1014	1015
<b>47.5</b>	1059	1063	1074	1076	1073	1071	1059	1058	1068	1070
<b>50.0</b>	1106	1110	1128	1128	1127	1126	1108	1108	1124	1126
<b>52.5</b>	1153	1157	1178	1177	1177	1177	1156	1157	1179	1179
<b>55.0</b>	1189	1194	1218	1221	1222	1220	1198	1198	1225	1227
<b>57.5</b>	1209	1217	1246	1250	1252	1251	1224	1226	1257	1262
<b>60.0</b>	1212	1223	1255	1260	1262	1262	1230	1234	1269	1274
<b>62.5</b>	1195	1206	1238	1244	1246	1246	1214	1220	1254	1260
<b>65.0</b>	1157	1167	1197	1205	1206	1206	1175	1181	1212	1221
<b>67.5</b>	1097	1103	1132	1139	1140	1141	1112	1118	1149	1154
<b>70.0</b>	1013	1015	1042	1045	1051	1050	1026	1031	1061	1061
<b>72.5</b>	904	907	928	932	936	939	920	924	946	946
<b>75.0</b>	774	778	799	799	803	809	791	799	812	810
<b>77.5</b>	633	632	650	648	651	655	638	644	661	657
<b>80.0</b>	479	479	488	487	490	486	483	485	491	495
<b>82.5</b>	321	318	323	327	321	323	325	325	323	325
<b>85.0</b>	173	171	170	172	169	172	175	174	172	175
<b>87.5</b>	55	52	51	49	50	54	56	55	54	54
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

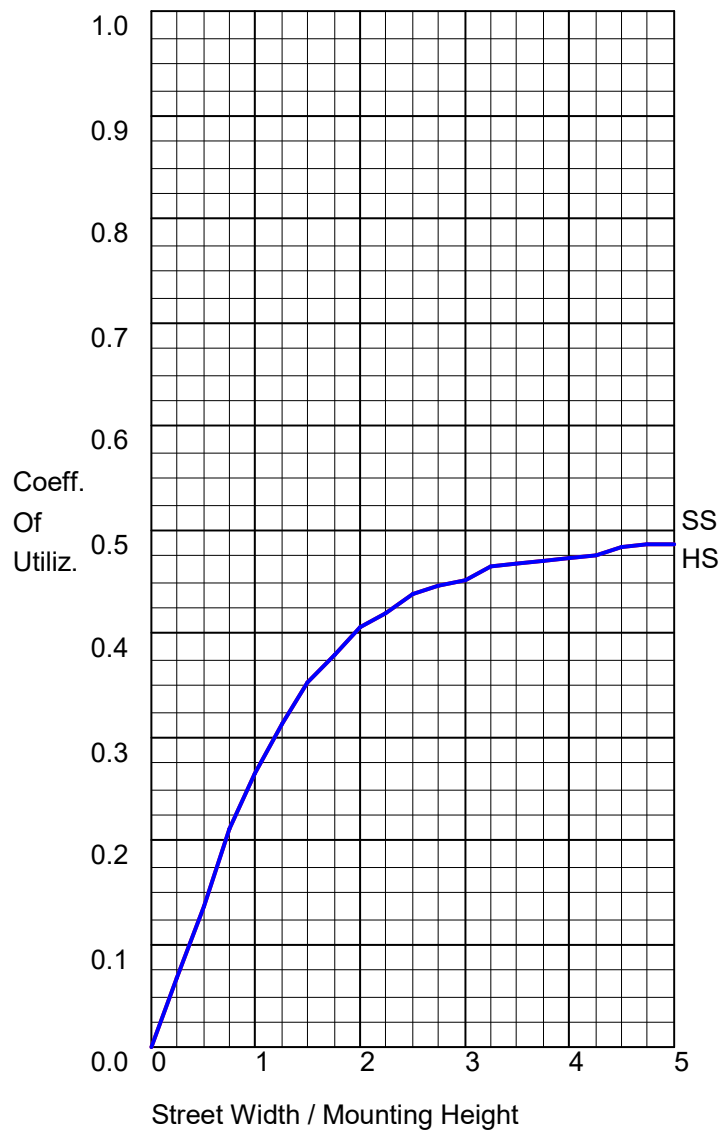
<b>Vert. Angles</b>	<b>Horizontal Angles</b>
	<u><b>90</b></u>
<b>0.0</b>	220
<b>2.5</b>	220
<b>5.0</b>	228
<b>7.5</b>	243
<b>10.0</b>	265
<b>12.5</b>	293
<b>15.0</b>	331
<b>17.5</b>	377
<b>20.0</b>	426
<b>22.5</b>	481
<b>25.0</b>	543
<b>27.5</b>	606

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	670
<b>32.5</b>	733
<b>35.0</b>	796
<b>37.5</b>	855
<b>40.0</b>	908
<b>42.5</b>	962
<b>45.0</b>	1016
<b>47.5</b>	1070
<b>50.0</b>	1124
<b>52.5</b>	1179
<b>55.0</b>	1228
<b>57.5</b>	1263
<b>60.0</b>	1276
<b>62.5</b>	1261
<b>65.0</b>	1220
<b>67.5</b>	1154
<b>70.0</b>	1063
<b>72.5</b>	947
<b>75.0</b>	810
<b>77.5</b>	656
<b>80.0</b>	493
<b>82.5</b>	324
<b>85.0</b>	168
<b>87.5</b>	50
<b>90.0</b>	0

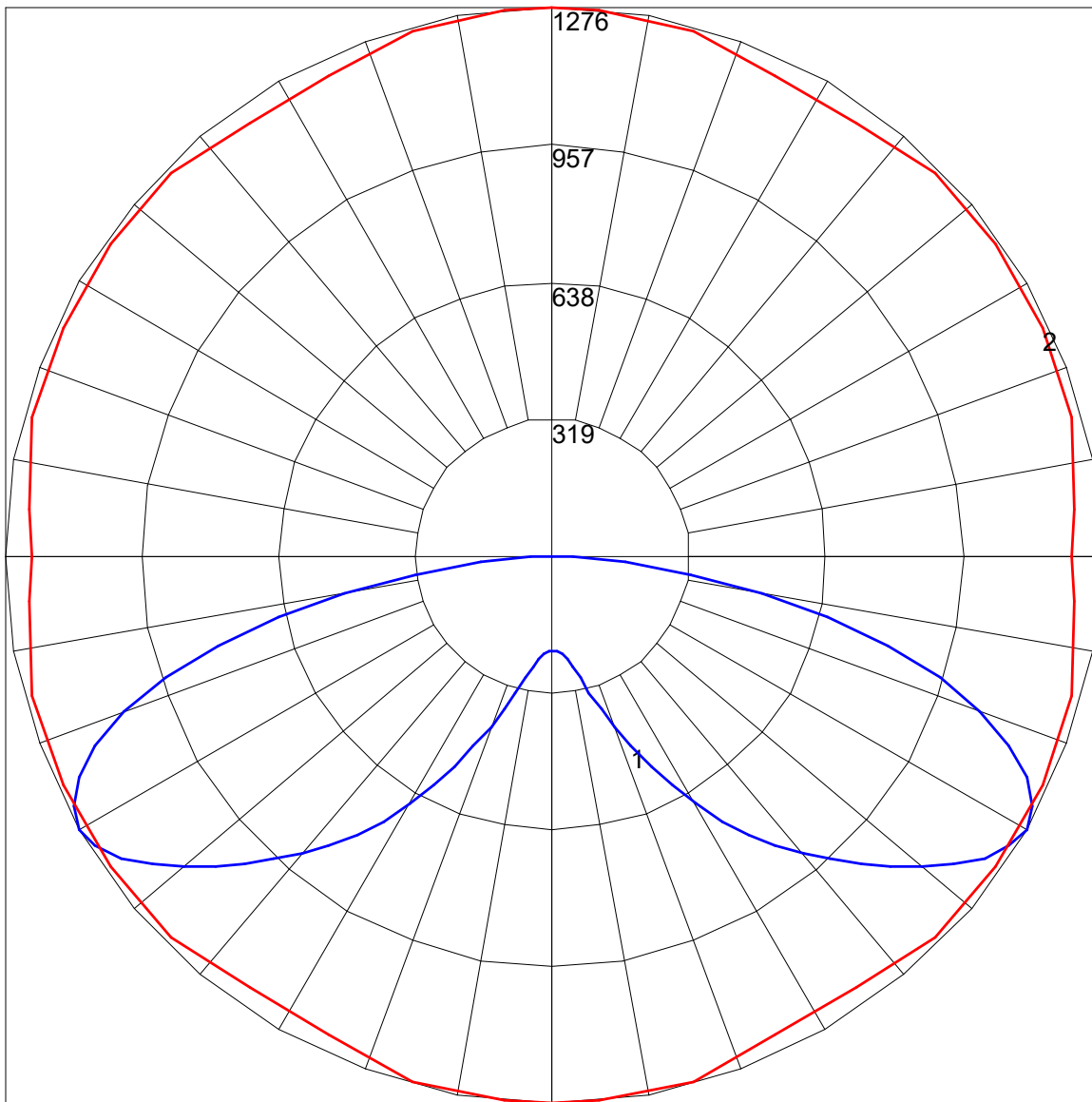
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

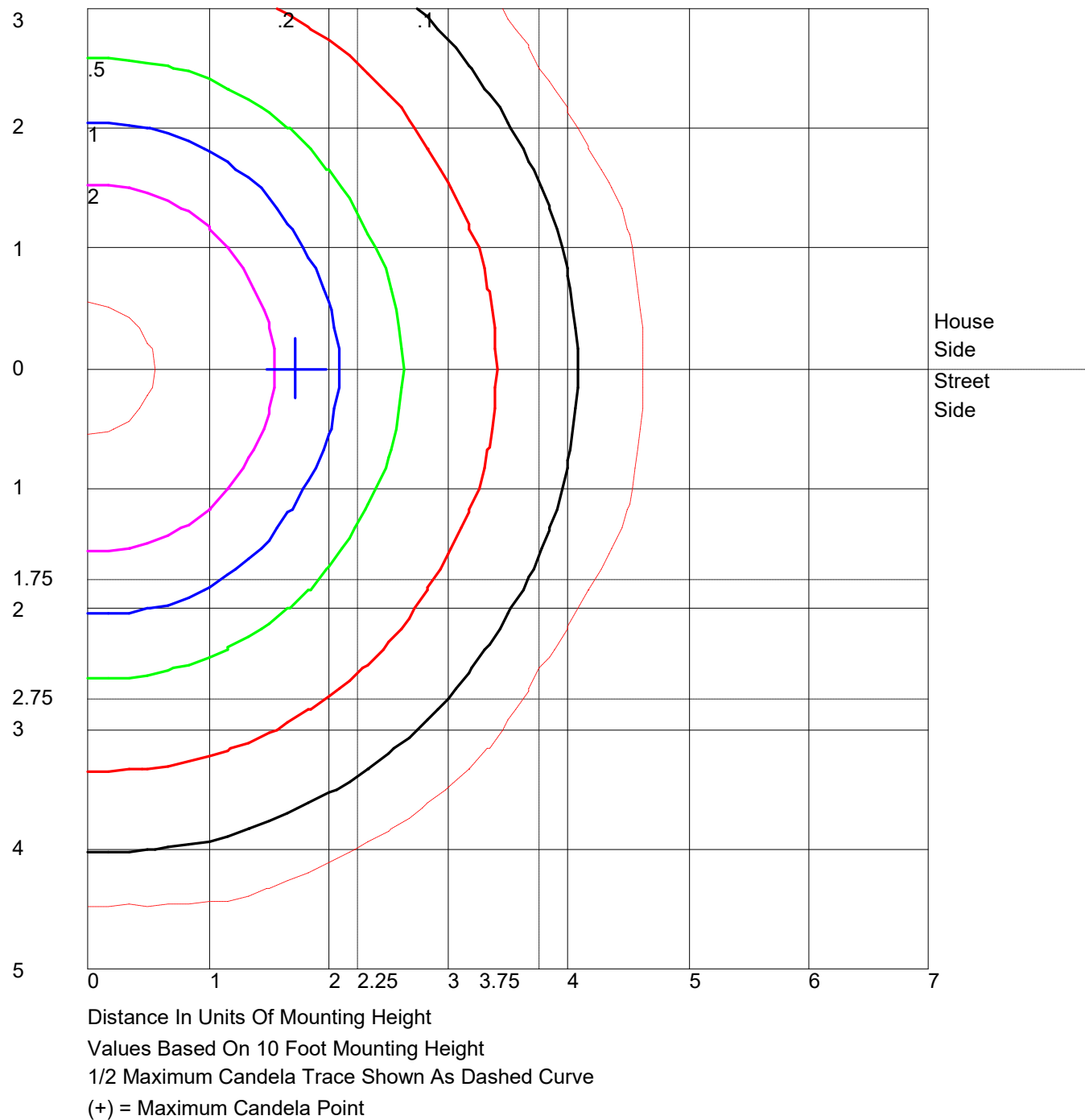
	Lumens	Percent Of Luminaire
Downward Street Side	2480.0	50.0
Downward House Side	2480.0	50.0
Downward Total	4960.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4960.0	100.0

POLAR GRAPH

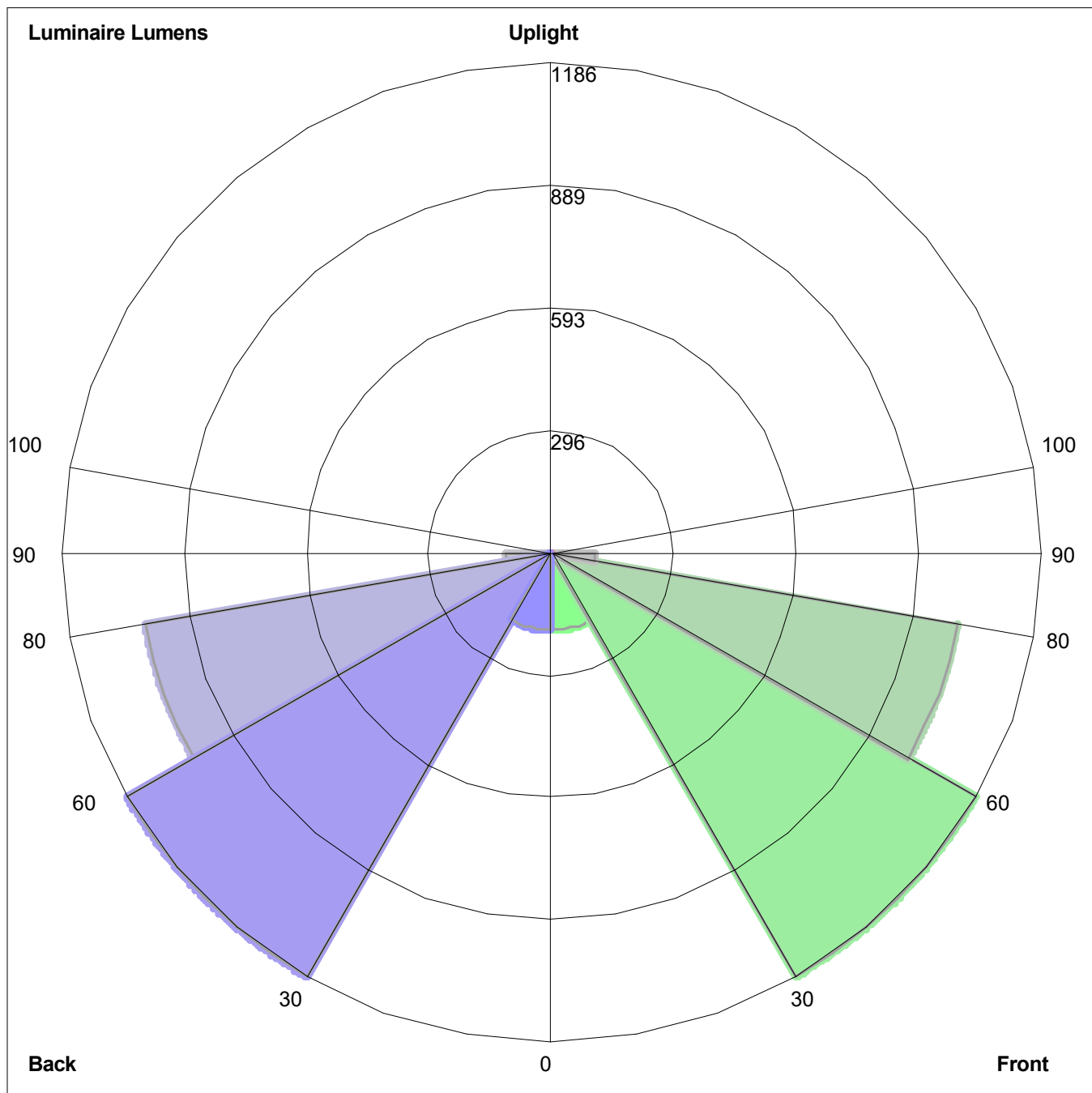


Maximum Candela = 1276 Located At Horizontal Angle = 90, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=188.1, Medium=1185.7, High=998.6, Very High=107.6  
Back: Low=188.1, Medium=1185.7, High=998.6, Very High=107.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2