



IES ROAD REPORT

PHOTOMETRIC FILENAME : ENM4-PT-5W-LED-05L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11765

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 06/10/2020

[TEST DATE] 04/27/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] ENM4-PT-5W-LED-05L-30

[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	4596
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	39.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2422
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	2422
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	5 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	369 (8.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	144.3	N.A.	3.1
FM - Front-Medium (30-60)	959.4	N.A.	20.9
FH - Front-High (60-80)	1165.6	N.A.	25.4
FVH - Front-Very High (80-90)	24.3	N.A.	0.5
BL - Back-Low (0-30)	144.3	N.A.	3.1
BM - Back-Medium (30-60)	959.4	N.A.	20.9
BH - Back-High (60-80)	1165.6	N.A.	25.4
BVH - Back-Very High (80-90)	24.3	N.A.	0.5
UL - Uplight-Low (90-100)	3.1	N.A.	0.1
UH - Uplight-High (100-180)	5.6	N.A.	0.1
Total	4595.9	N.A.	100.0
BUG Rating	B3-U1-G1		

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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	255	255	255	255	255	255	255	255	255	255
2.5	251	251	253	256	257	256	255	255	255	254
5.0	232	234	240	244	247	242	241	241	238	236
7.5	233	233	237	230	233	227	233	245	252	242
10.0	230	234	233	224	233	235	242	245	254	245
12.5	258	258	252	243	249	242	249	255	266	269
15.0	273	278	267	274	274	268	265	269	281	284
17.5	289	299	288	291	298	302	293	289	303	308
20.0	321	328	320	318	324	326	331	309	322	334
22.5	349	346	351	350	357	362	368	349	356	369
25.0	381	376	383	389	392	395	411	405	376	399
27.5	417	425	433	432	434	446	454	458	422	440
30.0	458	454	456	471	486	506	509	515	469	485
32.5	512	522	511	519	542	565	578	576	524	511
35.0	561	560	565	574	592	639	642	631	600	562
37.5	627	631	622	624	670	699	708	697	657	610
40.0	661	670	678	690	734	766	770	766	723	642
42.5	692	702	709	744	796	822	837	812	768	672
45.0	729	740	751	784	847	886	887	855	811	707
47.5	767	779	789	819	893	935	934	901	853	747
50.0	808	820	829	868	941	989	985	948	895	786
52.5	857	871	879	924	998	1047	1041	1000	947	837
55.0	905	923	936	983	1061	1111	1099	1058	1007	889
57.5	970	994	1006	1047	1134	1191	1174	1127	1077	952
60.0	1055	1080	1104	1138	1233	1296	1273	1221	1159	1036
62.5	1163	1179	1217	1265	1377	1453	1417	1341	1264	1134
65.0	1247	1263	1310	1402	1569	1674	1613	1491	1403	1248
67.5	1288	1312	1384	1531	1804	1984	1873	1692	1555	1361
70.0	1098	1128	1261	1517	2053	2393	2136	1755	1453	1207
72.5	709	731	870	1141	1791	2422	1976	1393	1025	818
75.0	237	238	334	604	1204	1800	1342	827	524	361
77.5	114	112	140	220	519	970	688	339	202	154
80.0	48	48	61	100	202	369	265	147	91	76
82.5	26	26	28	43	81	138	90	59	45	44
85.0	16	15	16	22	35	52	37	30	24	27
87.5	8	8	8	10	14	17	14	13	11	10
90.0	3	3	4	4	5	5	4	4	3	2
92.5	2	2	3	3	4	4	4	4	3	2
95.0	2	2	3	3	3	4	4	3	3	2
97.5	2	2	2	2	3	3	3	3	2	1
100.0	2	2	2	2	2	3	3	2	2	1
102.5	1	1	2	2	2	2	2	2	2	1
105.0	1	1	1	2	1	2	2	2	1	1
107.5	1	1	1	2	1	2	2	2	1	1
110.0	1	1	1	2	1	1	1	1	1	1
112.5	1	1	1	1	1	1	1	1	1	1
115.0	1	1	2	2	2	2	1	1	1	1
117.5	1	1	2	2	2	2	2	2	2	1
120.0	1	1	2	2	2	2	2	2	2	1
122.5	2	2	2	2	2	2	2	2	2	2
125.0	1	1	2	2	2	2	2	2	2	2
127.5	2	1	2	2	2	2	2	2	2	2
130.0	1	1	2	2	2	2	1	1	1	1

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CANDELA TABULATION - (Cont.)

132.5	2	1	2	2	2	2	1	1	2	2
135.0	1	1	2	1	2	1	1	1	1	1
137.5	1	1	1	1	1	1	0	1	1	1
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	1	1	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

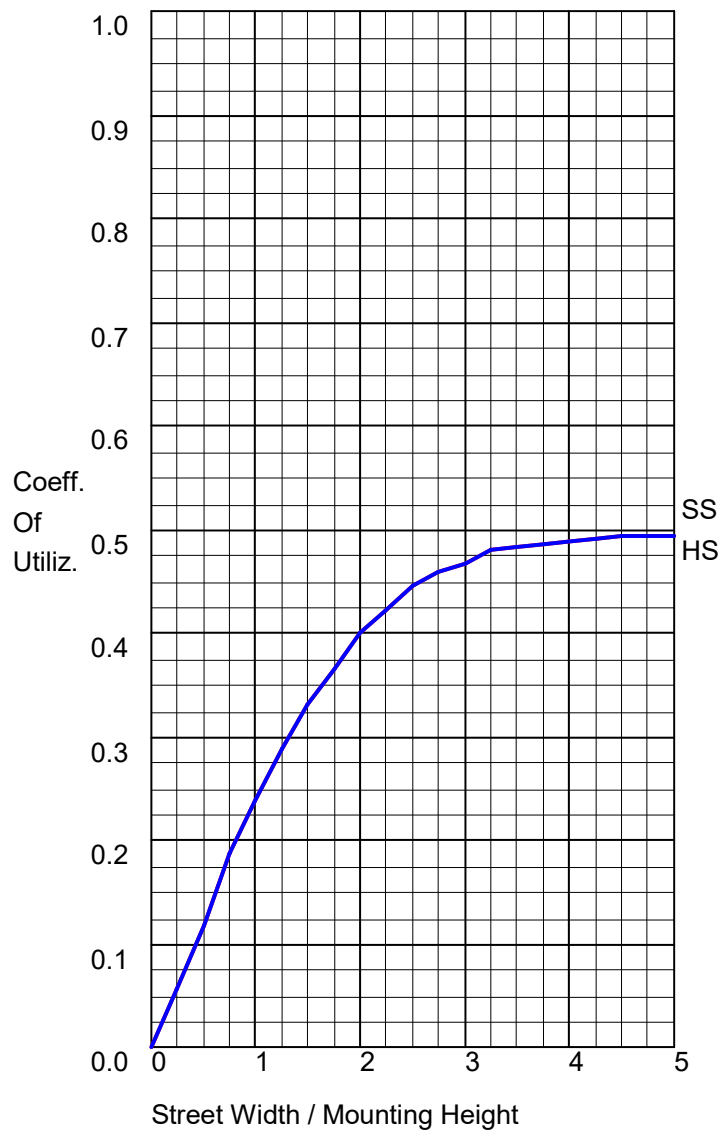
	90
0.0	255
2.5	255
5.0	235
7.5	245
10.0	247
12.5	265
15.0	290
17.5	306
20.0	338
22.5	360
25.0	406
27.5	433
30.0	473
32.5	517
35.0	554
37.5	610
40.0	647
42.5	681
45.0	717
47.5	747
50.0	786
52.5	839
55.0	884
57.5	946
60.0	1019
62.5	1109
65.0	1215
67.5	1319
70.0	1172
72.5	779
75.0	340
77.5	147

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CANDELA TABULATION - (Cont.)

80.0	74
82.5	43
85.0	24
87.5	9
90.0	1
92.5	1
95.0	2
97.5	1
100.0	1
102.5	1
105.0	1
107.5	1
110.0	1
112.5	1
115.0	1
117.5	1
120.0	1
122.5	2
125.0	2
127.5	1
130.0	1
132.5	2
135.0	1
137.5	1
140.0	0
142.5	0
145.0	0
147.5	0
150.0	0
152.5	0
155.0	0
157.5	0
160.0	0
162.5	0
165.0	0
167.5	0
170.0	0
172.5	0
175.0	0
177.5	0
180.0	0

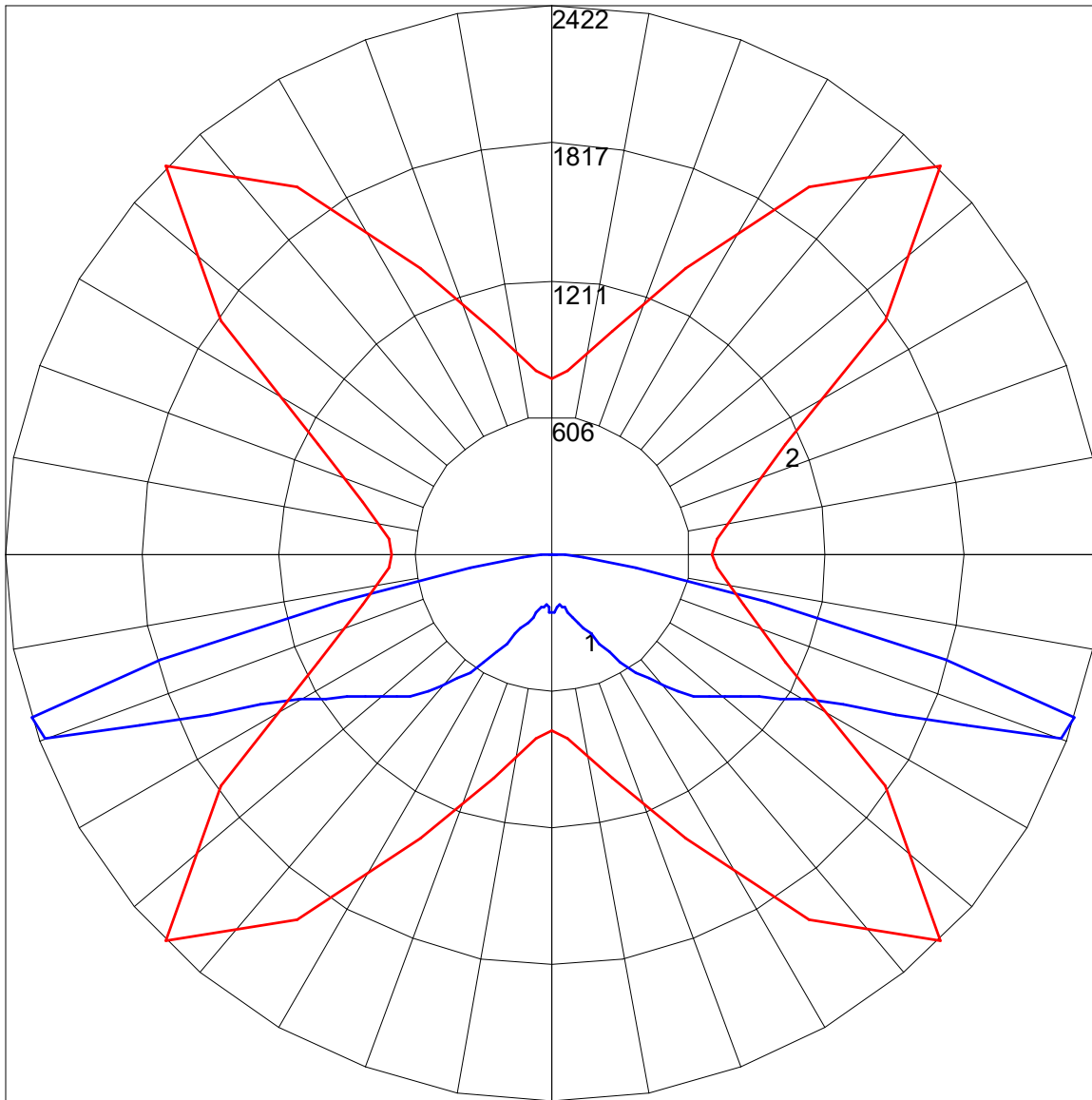
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

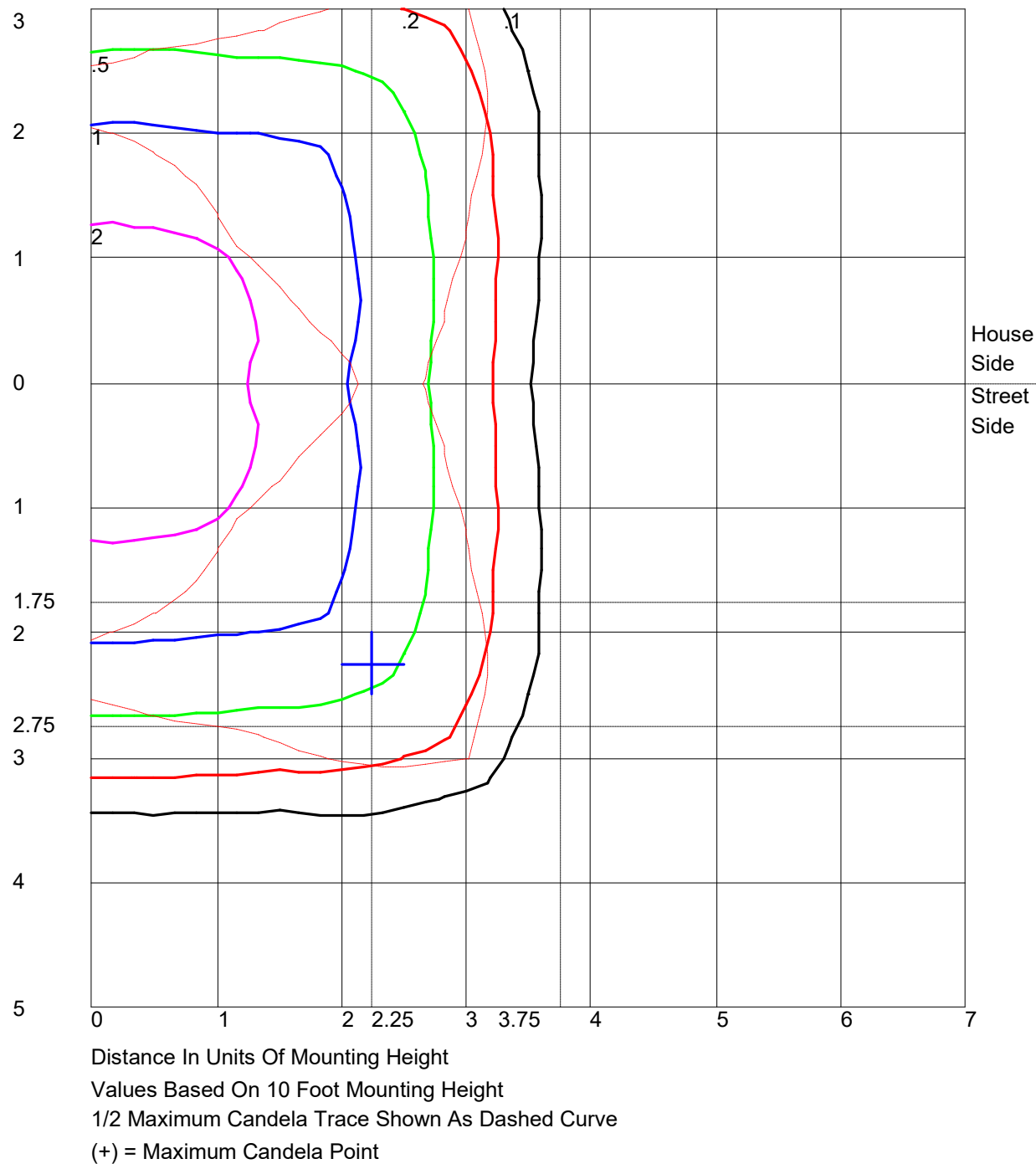
	Lumens	Percent Of Luminaire
Downward Street Side	2293.7	49.9
Downward House Side	2293.7	49.9
Downward Total	4587.4	99.8
Upward Street Side	4.4	0.1
Upward House Side	4.4	0.1
Upward Total	8.8	0.2
Total Flux	4596.2	100.0

POLAR GRAPH

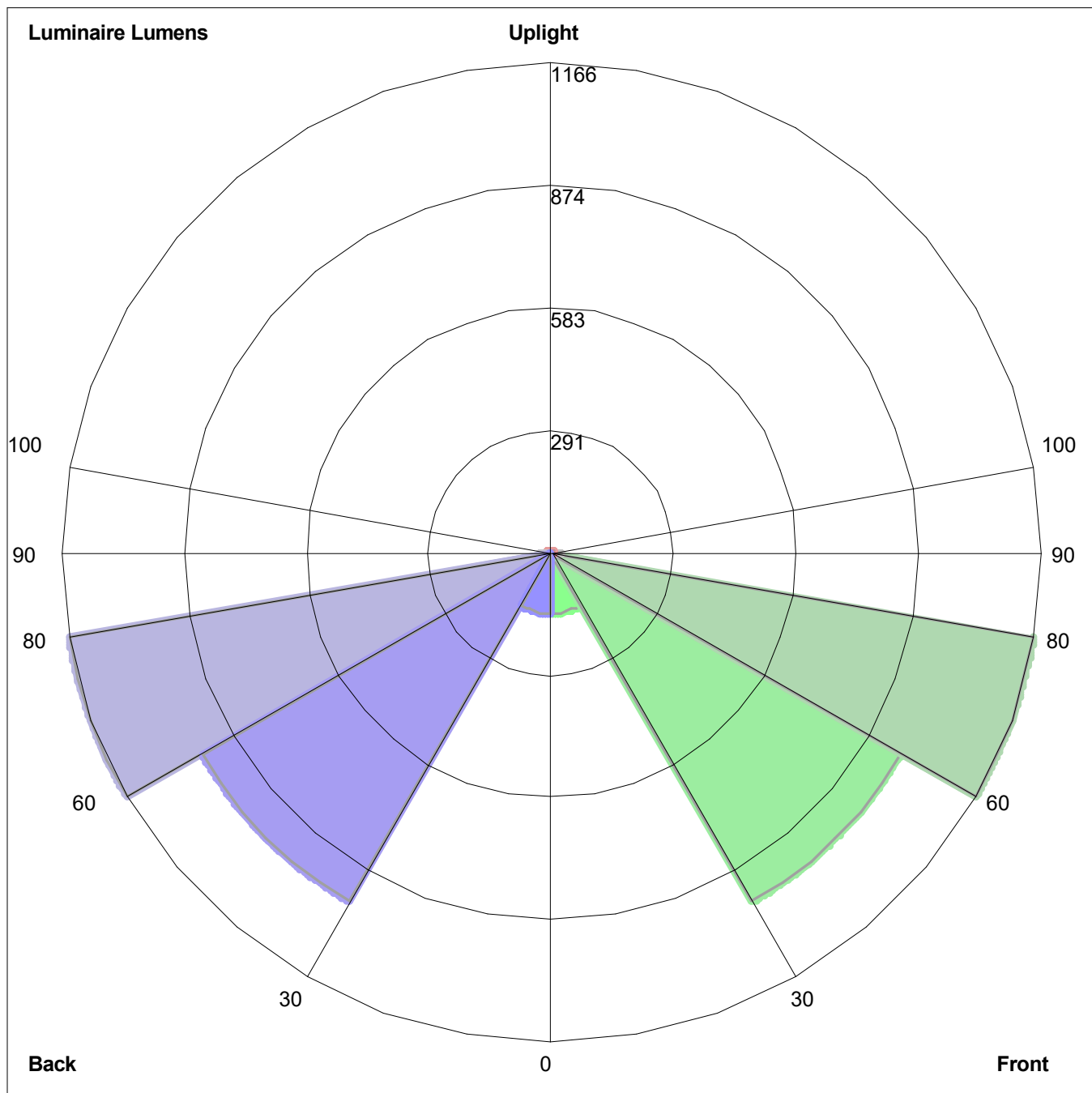


Maximum Candela = 2422 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=144.3, Medium=959.4, High=1165.6, Very High=24.3
Back: Low=144.3, Medium=959.4, High=1165.6, Very High=24.3
Uplight: Low=3.1, High=5.6

BUG Rating : B3-U1-G1