



IES ROAD REPORT

PHOTOMETRIC FILENAME : ENM4-PT-5W-LED-10L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11685
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/10/2020
[TEST DATE] 04/06/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] ENM4-PT-5W-LED-10L-50
[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	10477
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	77.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5510
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	5510
Maximum Candela Angle (<90 Degrees Vertical)	45H 70V
Maximum Candela At 90 Degrees Vertical	10 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	657 (6.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-PT-5W-LED-10L-50.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	325.7	N.A.	3.1
FM - Front-Medium (30-60)	2240.6	N.A.	21.4
FH - Front-High (60-80)	2611.9	N.A.	24.9
FVH - Front-Very High (80-90)	51.5	N.A.	0.5
BL - Back-Low (0-30)	325.7	N.A.	3.1
BM - Back-Medium (30-60)	2240.6	N.A.	21.4
BH - Back-High (60-80)	2611.9	N.A.	24.9
BVH - Back-Very High (80-90)	51.5	N.A.	0.5
UL - Uplight-Low (90-100)	6.8	N.A.	0.1
UH - Uplight-High (100-180)	11.0	N.A.	0.1
Total	10477.2	N.A.	100.0
BUG Rating	B4-U2-G2		

IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-PT-5W-LED-10L-50.IES

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	544	544	544	544	544	544	544	544	544	544
2.5	542	543	544	544	546	544	543	540	538	539
5.0	514	510	514	523	521	517	513	514	505	509
7.5	514	506	508	506	497	495	512	519	535	521
10.0	513	511	509	493	507	512	528	530	546	545
12.5	571	562	557	542	548	539	549	567	570	576
15.0	620	605	594	607	609	597	594	599	617	629
17.5	655	656	643	654	671	674	653	645	669	674
20.0	717	729	711	728	735	735	733	699	720	750
22.5	781	776	790	803	812	822	829	788	793	835
25.0	850	846	865	884	907	913	948	921	872	914
27.5	955	943	969	997	1012	1036	1056	1066	979	1002
30.0	1028	1032	1042	1096	1124	1174	1209	1192	1103	1087
32.5	1179	1169	1176	1203	1264	1333	1364	1338	1232	1185
35.0	1274	1291	1293	1338	1403	1504	1523	1487	1378	1290
37.5	1436	1442	1423	1441	1568	1645	1684	1645	1536	1407
40.0	1527	1536	1572	1609	1723	1830	1844	1795	1674	1494
42.5	1617	1629	1659	1740	1895	1964	1988	1925	1780	1581
45.0	1710	1726	1750	1855	2015	2090	2094	2030	1885	1670
47.5	1806	1828	1862	1958	2112	2182	2187	2136	2001	1779
50.0	1916	1939	1971	2051	2201	2274	2287	2244	2118	1898
52.5	2034	2057	2091	2164	2299	2369	2392	2364	2246	2024
55.0	2166	2184	2214	2285	2401	2480	2505	2497	2382	2153
57.5	2313	2339	2370	2426	2517	2629	2640	2653	2553	2315
60.0	2504	2524	2569	2615	2710	2847	2843	2859	2745	2515
62.5	2693	2715	2793	2897	3038	3197	3154	3150	3013	2752
65.0	2899	2931	3023	3197	3469	3716	3624	3529	3334	3026
67.5	2952	2997	3169	3514	4027	4457	4224	3979	3707	3317
70.0	2485	2529	2816	3429	4600	5510	4990	4219	3452	2822
72.5	1444	1553	1873	2529	3896	5349	4304	3080	2191	1666
75.0	478	513	709	1280	2595	3853	2744	1564	927	720
77.5	243	248	311	471	1071	1789	1190	675	414	321
80.0	115	115	138	214	416	657	500	288	178	154
82.5	73	71	76	98	155	235	169	130	106	106
85.0	48	47	47	59	81	96	87	76	65	66
87.5	26	25	26	29	37	40	36	31	28	26
90.0	6	7	8	8	9	10	8	8	7	5
92.5	5	5	6	6	8	9	9	8	7	5
95.0	5	5	6	6	7	9	8	7	6	5
97.5	4	4	5	5	6	8	7	6	5	4
100.0	3	3	4	4	5	6	5	5	4	3
102.5	3	3	3	4	4	4	4	4	3	3
105.0	3	3	3	3	3	4	4	3	3	2
107.5	3	3	3	3	3	3	3	3	3	2
110.0	3	3	3	3	3	3	3	3	3	2
112.5	2	2	3	3	3	3	3	3	3	2
115.0	2	2	3	3	3	3	3	3	3	2
117.5	3	3	3	3	4	3	3	3	3	3
120.0	3	3	3	3	4	4	3	3	3	3
122.5	3	3	3	4	4	4	3	3	3	3
125.0	3	3	3	4	4	4	3	3	3	3
127.5	3	3	3	4	4	4	3	3	3	3
130.0	3	3	3	3	3	3	3	3	3	3

IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-PT-5W-LED-10L-50.IES

CANDELA TABULATION - (Cont.)

132.5	3	3	3	3	3	3	3	3	3	3
135.0	2	2	3	3	3	2	2	2	3	3
137.5	1	1	2	1	1	1	1	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	1	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	1	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	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

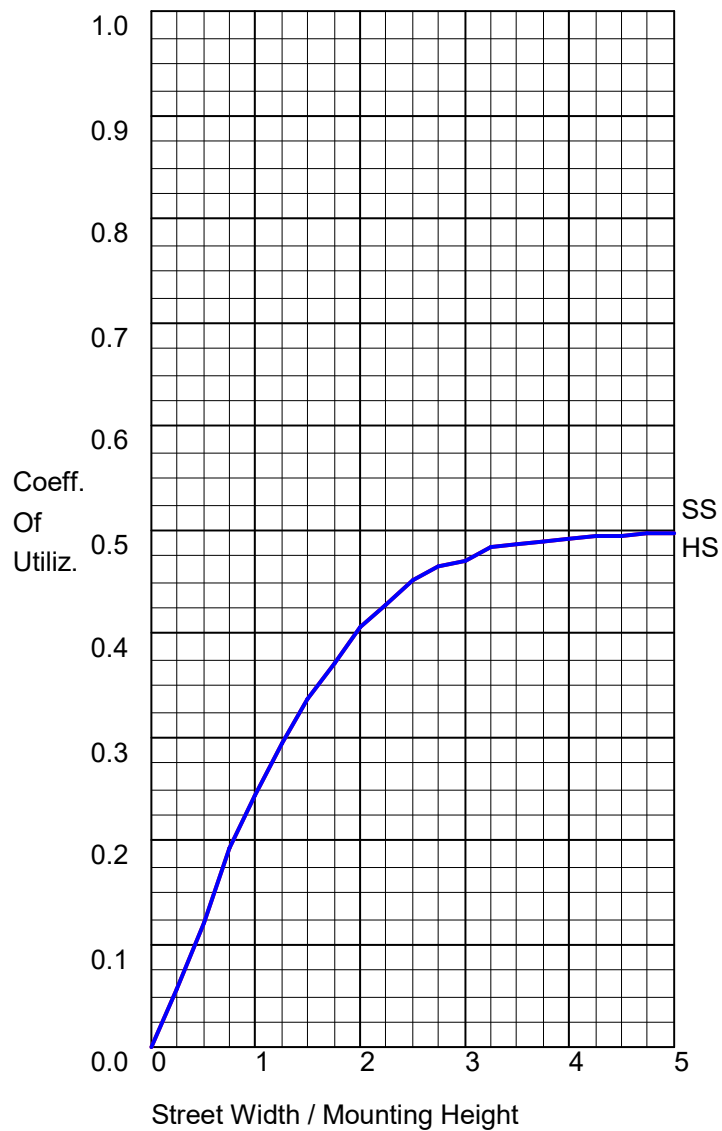
	90
0.0	544
2.5	543
5.0	513
7.5	527
10.0	544
12.5	586
15.0	633
17.5	682
20.0	742
22.5	819
25.0	913
27.5	992
30.0	1099
32.5	1187
35.0	1294
37.5	1413
40.0	1502
42.5	1584
45.0	1675
47.5	1766
50.0	1878
52.5	1982
55.0	2102
57.5	2248
60.0	2440
62.5	2650
65.0	2912
67.5	3165
70.0	2687
72.5	1572
75.0	687
77.5	316

IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-PT-5W-LED-10L-50.IES

CANDELA TABULATION - (Cont.)

80.0	156
82.5	104
85.0	63
87.5	24
90.0	4
92.5	4
95.0	4
97.5	3
100.0	3
102.5	2
105.0	2
107.5	2
110.0	2
112.5	2
115.0	3
117.5	3
120.0	3
122.5	3
125.0	3
127.5	3
130.0	3
132.5	3
135.0	3
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

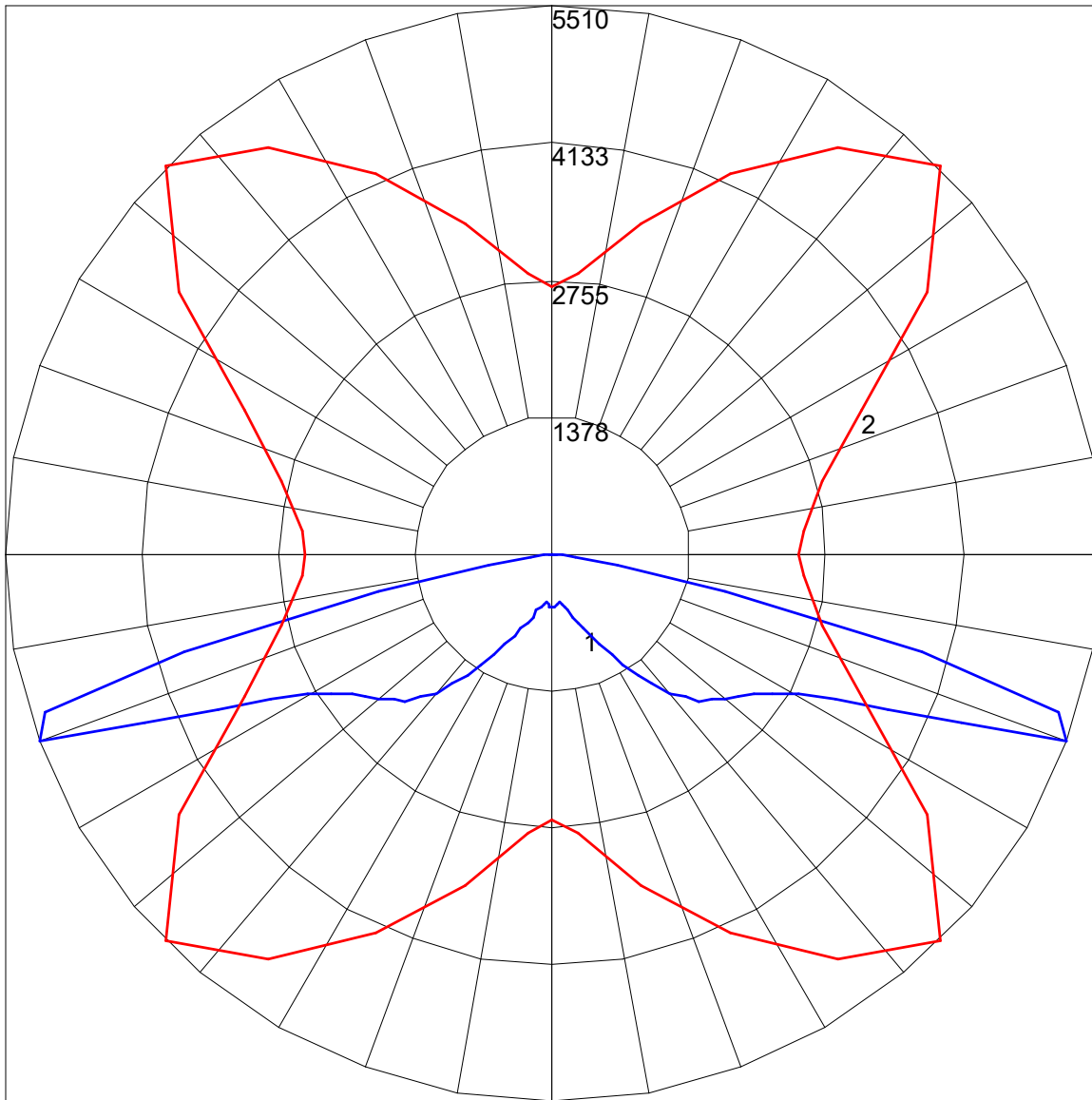
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

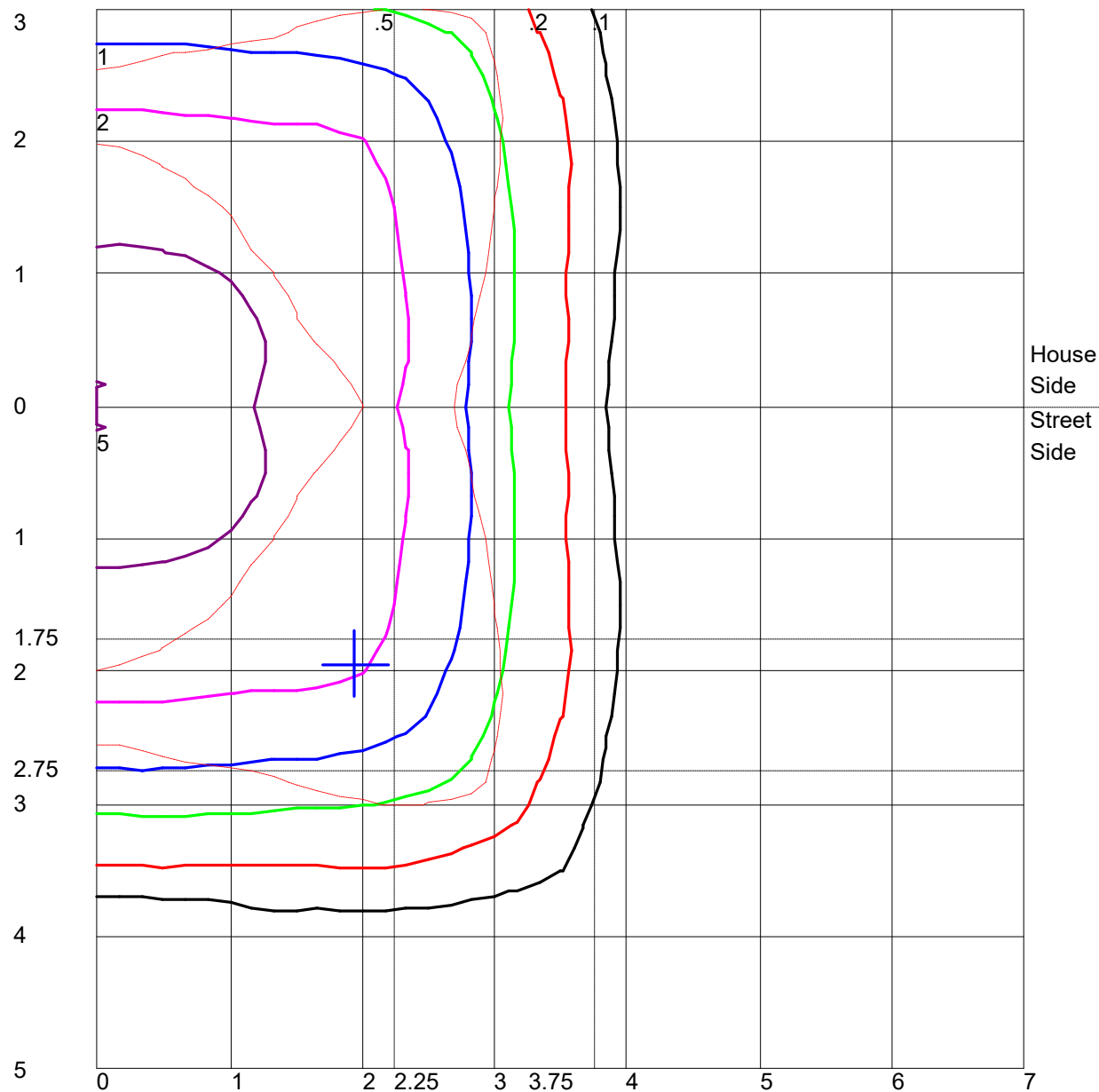
	Lumens	Percent Of Luminaire
Downward Street Side	5229.7	49.9
Downward House Side	5229.7	49.9
Downward Total	10459.4	99.8
Upward Street Side	8.9	0.1
Upward House Side	8.9	0.1
Upward Total	17.8	0.2
Total Flux	10477.2	100.0

POLAR GRAPH



Maximum Candela = 5510 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



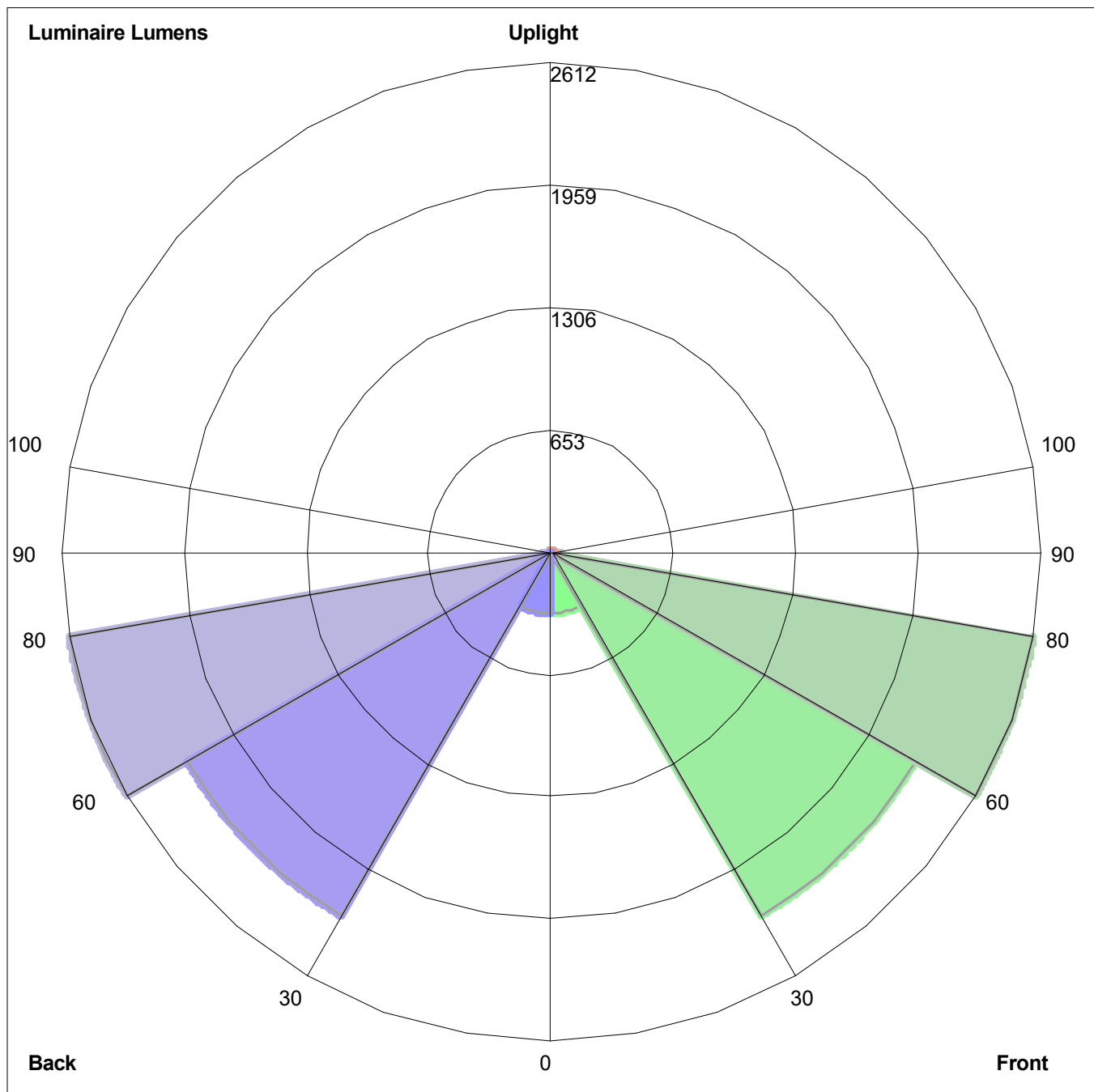
Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

1/2 Maximum Candela Trace Shown As Dashed Curve

(+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=325.7, Medium=2240.6, High=2611.9, Very High=51.5
Back: Low=325.7, Medium=2240.6, High=2611.9, Very High=51.5
Uplight: Low=6.8, High=11.0

BUG Rating : B4-U2-G2