



IES ROAD REPORT

PHOTOMETRIC FILENAME : XCN4-PT-5W-LED-10L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13232
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/07/22
[TEST DATE] 01/31/22
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] XCN4-PT-5W-LED-10L-50
[OTHER] TEST PROCEDURE: IESNA LM-79-19
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 5000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10714
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	74.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6663
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	6663
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	10 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	801 (7.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	344.0	N.A.	3.2
FM - Front-Medium (30-60)	2137.9	N.A.	20.0
FH - Front-High (60-80)	2818.7	N.A.	26.3
FVH - Front-Very High (80-90)	46.1	N.A.	0.4
BL - Back-Low (0-30)	344.0	N.A.	3.2
BM - Back-Medium (30-60)	2137.9	N.A.	20.0
BH - Back-High (60-80)	2818.7	N.A.	26.3
BVH - Back-Very High (80-90)	46.1	N.A.	0.4
UL - Uplight-Low (90-100)	7.5	N.A.	0.1
UH - Uplight-High (100-180)	13.3	N.A.	0.1
Total	10714.2	N.A.	100.0
BUG Rating	B4-U2-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	580	580	580	580	580	580	580	580	580	580
2.5	595	594	592	590	586	583	584	583	572	569
5.0	564	562	557	565	575	578	587	578	570	559
7.5	533	536	533	528	532	532	554	579	570	564
10.0	560	550	550	543	548	553	556	576	611	581
12.5	588	584	570	565	576	585	587	597	645	626
15.0	616	617	615	605	608	612	639	635	684	672
17.5	699	683	679	670	661	661	680	694	728	730
20.0	790	790	761	738	731	730	735	760	791	801
22.5	914	900	874	853	814	815	814	837	852	867
25.0	1037	1021	993	952	949	904	896	919	941	955
27.5	1150	1142	1127	1111	1072	1048	1003	1011	1039	1060
30.0	1262	1263	1245	1235	1233	1182	1102	1099	1126	1155
32.5	1343	1344	1375	1388	1372	1342	1234	1208	1196	1207
35.0	1400	1399	1448	1500	1519	1482	1370	1273	1260	1265
37.5	1462	1464	1519	1586	1626	1611	1477	1346	1326	1329
40.0	1534	1539	1595	1672	1736	1717	1590	1435	1405	1399
42.5	1618	1621	1683	1768	1849	1831	1694	1513	1479	1481
45.0	1717	1719	1781	1884	1957	1938	1806	1596	1572	1564
47.5	1821	1821	1891	2000	2077	2055	1920	1694	1661	1650
50.0	1930	1931	2006	2124	2203	2192	2034	1802	1755	1756
52.5	2056	2063	2135	2250	2345	2336	2165	1915	1869	1871
55.0	2201	2196	2276	2391	2495	2493	2304	2042	1993	1997
57.5	2390	2374	2442	2559	2673	2691	2473	2186	2148	2152
60.0	2594	2586	2653	2770	2897	2949	2701	2376	2324	2322
62.5	2820	2819	2886	3032	3209	3282	2997	2632	2564	2537
65.0	3117	3116	3202	3356	3621	3739	3386	2993	2901	2868
67.5	3497	3512	3714	3948	4312	4510	4052	3586	3418	3388
70.0	3255	3287	3720	4413	5533	6048	5135	4142	3457	3177
72.5	1836	1870	2415	3467	5203	6663	5089	3336	2362	2023
75.0	552	546	762	1487	3295	5012	3455	1791	1005	793
77.5	256	267	340	526	1162	2341	1422	700	397	340
80.0	85	88	115	218	473	801	553	278	159	140
82.5	44	42	46	73	154	286	170	93	71	78
85.0	27	25	25	37	61	88	64	47	40	47
87.5	12	12	12	15	21	28	24	21	19	19
90.0	2	2	3	4	6	8	9	10	10	8
92.5	2	2	3	4	7	9	10	11	10	9
95.0	2	2	3	5	7	10	11	11	10	9
97.5	2	2	3	4	6	9	10	10	10	9
100.0	2	2	3	4	5	7	8	9	9	8
102.5	2	2	3	3	4	5	6	7	7	7
105.0	2	2	2	3	3	4	4	5	5	5
107.5	2	2	2	3	3	3	3	4	4	4
110.0	2	2	2	2	2	2	3	3	3	3
112.5	2	2	2	2	2	2	3	3	3	2
115.0	2	2	2	3	3	3	3	3	3	2
117.5	2	2	2	3	3	3	3	3	3	2
120.0	2	2	3	3	3	3	3	3	3	2
122.5	2	2	3	3	3	3	3	3	3	2
125.0	3	3	3	3	3	3	3	3	3	2
127.5	3	3	3	3	3	3	3	3	3	2
130.0	3	3	3	3	3	3	3	3	3	2

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CANDELA TABULATION - (Cont.)

132.5	3	3	3	3	3	3	3	3	3	2
135.0	3	3	3	3	3	3	3	3	3	2
137.5	3	3	3	3	3	3	3	3	3	3
140.0	3	3	3	3	3	3	3	3	3	3
142.5	3	3	3	3	3	3	3	3	3	2
145.0	2	2	2	2	1	1	2	2	2	2
147.5	1	1	1	1	1	1	1	1	1	1
150.0	1	1	1	1	0	0	0	1	1	1
152.5	1	1	1	1	0	0	0	1	1	1
155.0	1	1	1	1	1	0	1	1	1	1
157.5	1	1	1	1	0	0	0	1	1	1
160.0	1	1	1	1	1	0	1	1	1	1
162.5	1	1	1	1	0	0	0	1	1	1
165.0	1	1	1	1	0	0	0	1	1	1
167.5	1	1	1	1	0	0	0	1	1	1
170.0	1	1	1	1	0	0	0	1	1	1
172.5	0	0	1	0	0	0	0	1	1	1
175.0	0	0	1	0	0	0	0	1	1	1
177.5	0	0	1	0	0	0	0	0	1	1
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

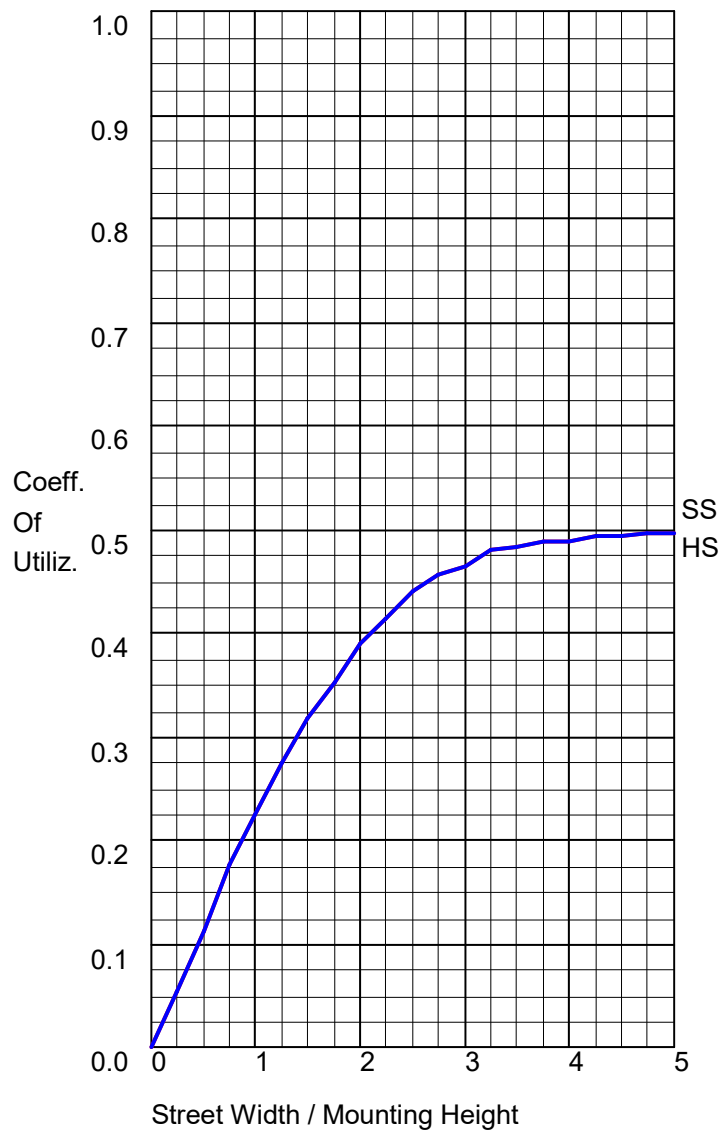
	90
0.0	580
2.5	569
5.0	562
7.5	561
10.0	573
12.5	612
15.0	662
17.5	718
20.0	785
22.5	865
25.0	938
27.5	1024
30.0	1108
32.5	1157
35.0	1212
37.5	1273
40.0	1339
42.5	1417
45.0	1494
47.5	1584
50.0	1684
52.5	1787
55.0	1902
57.5	2045
60.0	2203
62.5	2394
65.0	2685
67.5	3233
70.0	2999
72.5	1885
75.0	753
77.5	326

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CANDELA TABULATION - (Cont.)

80.0	134
82.5	73
85.0	40
87.5	13
90.0	3
92.5	3
95.0	4
97.5	4
100.0	4
102.5	3
105.0	3
107.5	3
110.0	2
112.5	2
115.0	2
117.5	2
120.0	2
122.5	2
125.0	2
127.5	2
130.0	2
132.5	2
135.0	2
137.5	3
140.0	3
142.5	3
145.0	2
147.5	1
150.0	1
152.5	1
155.0	1
157.5	1
160.0	1
162.5	1
165.0	1
167.5	1
170.0	1
172.5	1
175.0	1
177.5	1
180.0	0

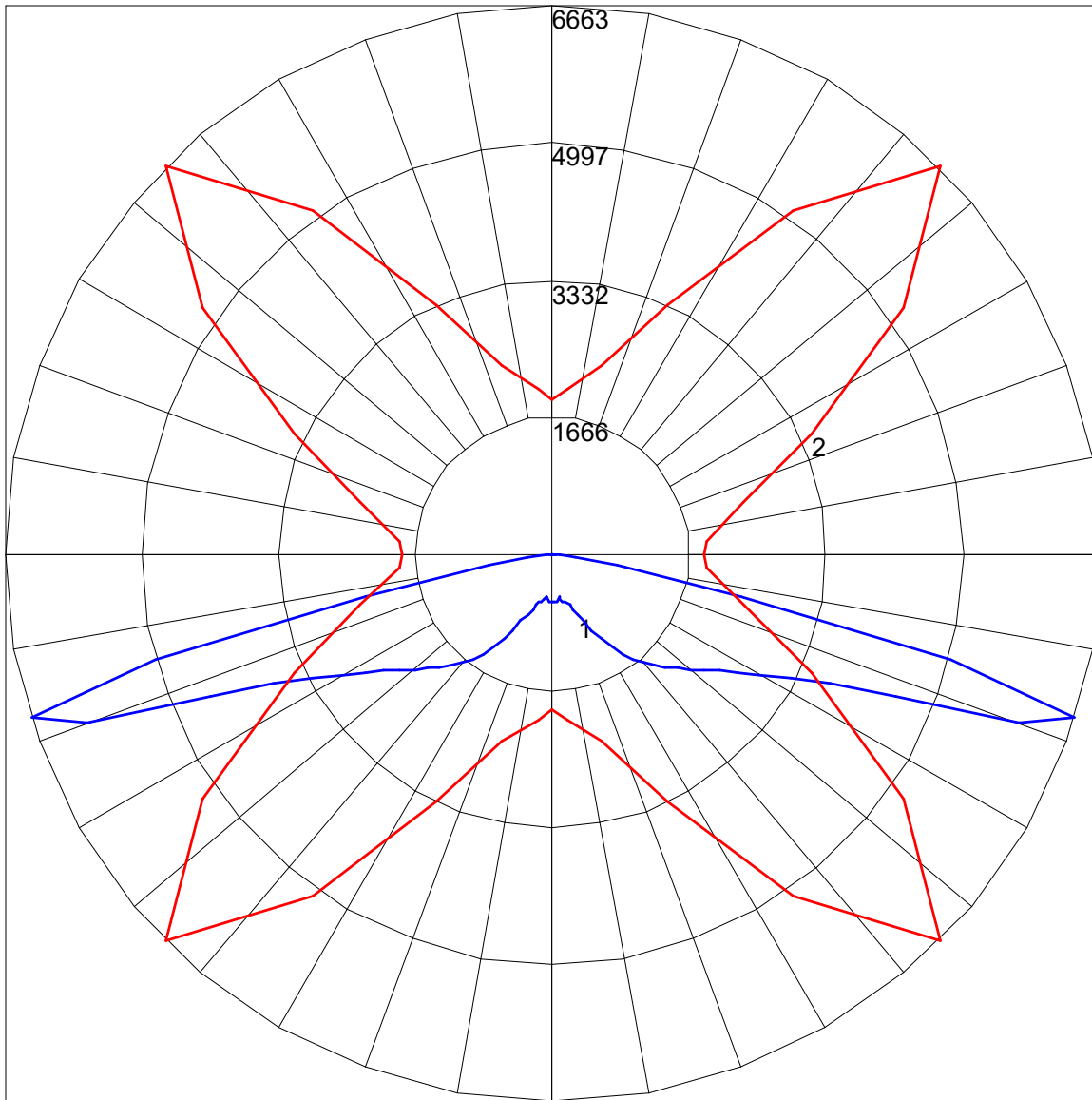
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

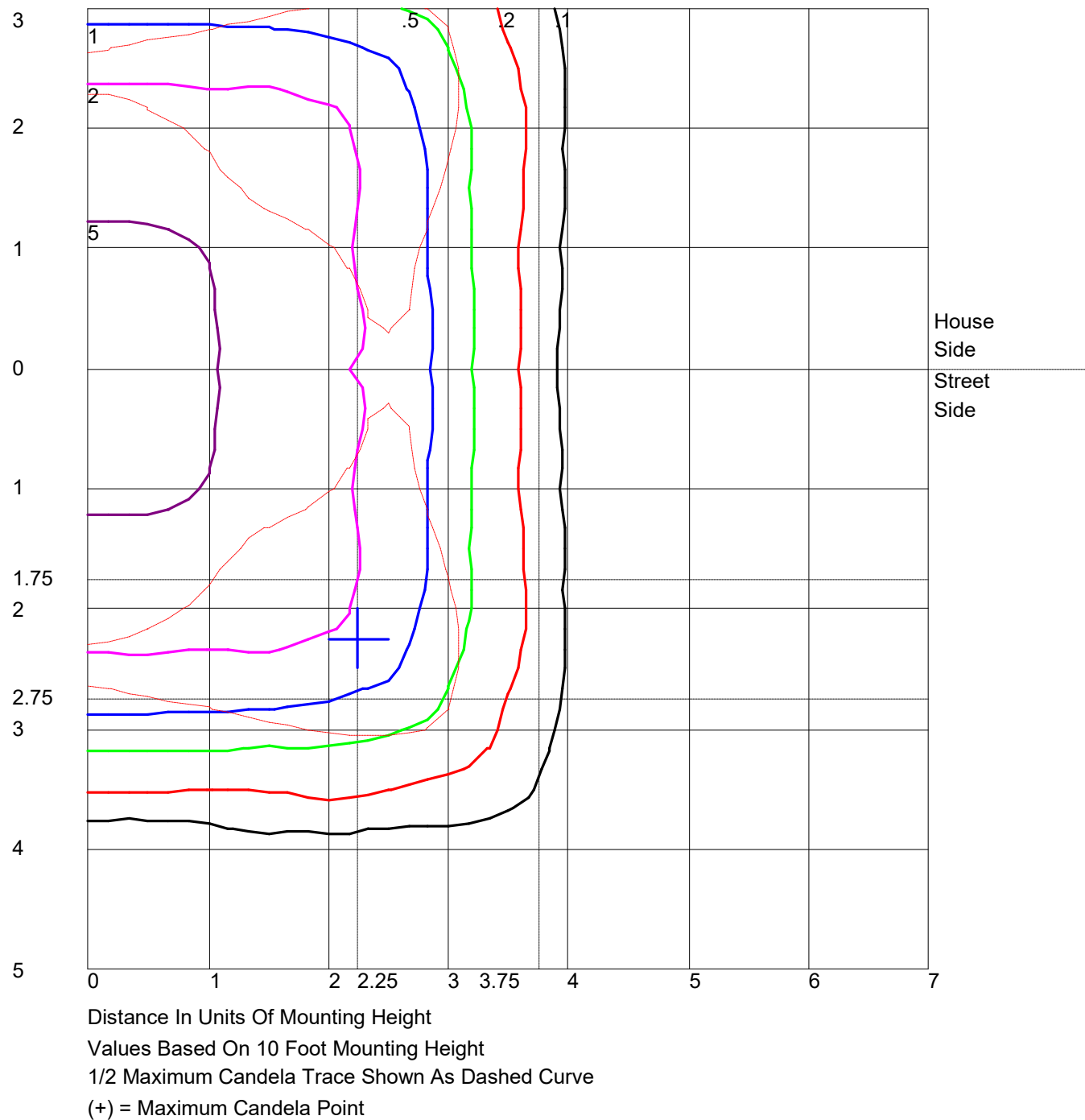
	Lumens	Percent Of Luminaire
Downward Street Side	5346.7	49.9
Downward House Side	5346.7	49.9
Downward Total	10693.4	99.8
Upward Street Side	10.4	0.1
Upward House Side	10.4	0.1
Upward Total	20.8	0.2
Total Flux	10714.2	100.0

POLAR GRAPH

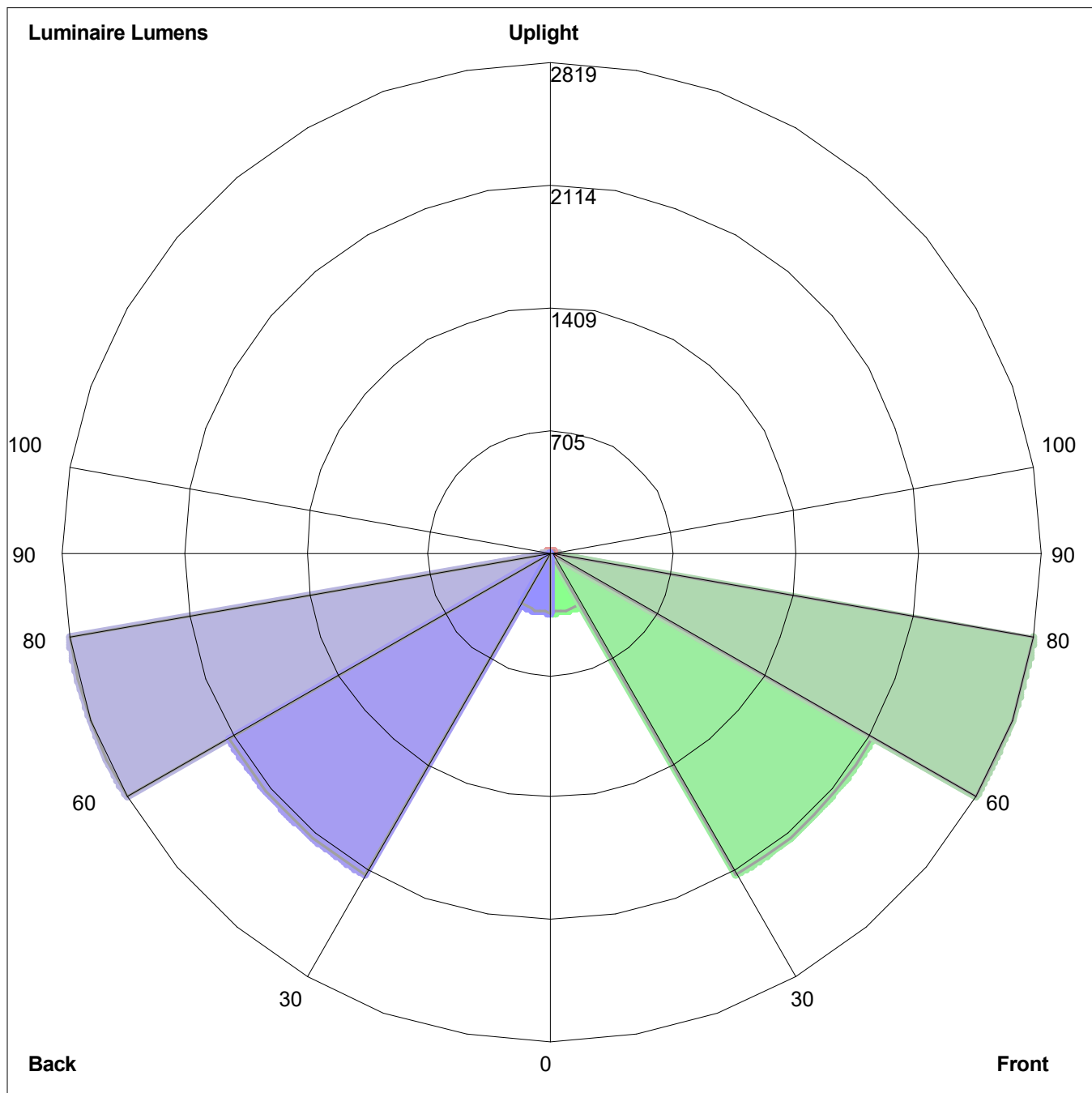


Maximum Candela = 6663 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=344.0, Medium=2137.9, High=2818.7, Very High=46.1
Back: Low=344.0, Medium=2137.9, High=2818.7, Very High=46.1
Uplight: Low=7.5, High=13.3

BUG Rating : B4-U2-G2