



IES ROAD REPORT

PHOTOMETRIC FILENAME : XCN4-PT-5W-LED-10L-40.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-40
[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] 4000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10628
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	74.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6609
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	6609
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	795 (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)	341.3	N.A.	3.2
FM - Front-Medium (30-60)	2120.6	N.A.	20.0
FH - Front-High (60-80)	2795.9	N.A.	26.3
FVH - Front-Very High (80-90)	45.8	N.A.	0.4
BL - Back-Low (0-30)	341.3	N.A.	3.2
BM - Back-Medium (30-60)	2120.6	N.A.	20.0
BH - Back-High (60-80)	2795.9	N.A.	26.3
BVH - Back-Very High (80-90)	45.8	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	10628.0	N.A.	100.0
BUG Rating	B4-U2-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	575	575	575	575	575	575	575	575	575	575
2.5	590	589	587	585	581	578	579	578	567	564
5.0	559	557	552	560	570	573	582	573	565	554
7.5	529	532	529	524	528	528	550	574	565	559
10.0	555	546	546	539	544	549	552	571	606	576
12.5	583	579	565	560	571	580	582	592	640	621
15.0	611	612	610	600	603	607	634	630	678	667
17.5	693	677	674	665	656	656	675	688	722	724
20.0	784	784	755	732	725	724	729	754	785	795
22.5	907	893	867	846	807	808	807	830	845	860
25.0	1029	1013	985	944	941	897	889	912	933	947
27.5	1141	1133	1118	1102	1063	1040	995	1003	1031	1051
30.0	1252	1253	1235	1225	1223	1172	1093	1090	1117	1146
32.5	1332	1333	1364	1377	1361	1331	1224	1198	1186	1197
35.0	1389	1388	1436	1488	1507	1470	1359	1263	1250	1255
37.5	1450	1452	1507	1573	1613	1598	1465	1335	1315	1318
40.0	1522	1527	1582	1658	1722	1703	1577	1423	1394	1388
42.5	1605	1608	1669	1754	1834	1816	1680	1501	1467	1469
45.0	1703	1705	1767	1869	1941	1922	1791	1583	1559	1551
47.5	1806	1806	1876	1984	2060	2038	1904	1680	1648	1637
50.0	1914	1915	1990	2107	2185	2174	2018	1787	1741	1742
52.5	2039	2046	2118	2232	2326	2317	2147	1900	1854	1856
55.0	2183	2178	2258	2372	2475	2473	2285	2025	1977	1981
57.5	2371	2355	2422	2538	2651	2669	2453	2168	2131	2135
60.0	2573	2565	2632	2748	2874	2925	2679	2357	2305	2303
62.5	2797	2796	2863	3007	3183	3255	2973	2611	2543	2516
65.0	3092	3091	3176	3329	3592	3709	3359	2969	2878	2845
67.5	3469	3484	3684	3916	4277	4474	4019	3557	3390	3361
70.0	3229	3260	3690	4377	5488	5999	5093	4109	3429	3151
72.5	1821	1855	2395	3439	5161	6609	5048	3309	2343	2007
75.0	548	542	756	1475	3268	4971	3427	1777	997	787
77.5	254	265	337	522	1153	2322	1411	694	394	337
80.0	84	87	114	216	469	795	549	276	158	139
82.5	44	42	46	72	153	284	169	92	70	77
85.0	27	25	25	37	61	87	63	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. Angles **Horizontal Angles**

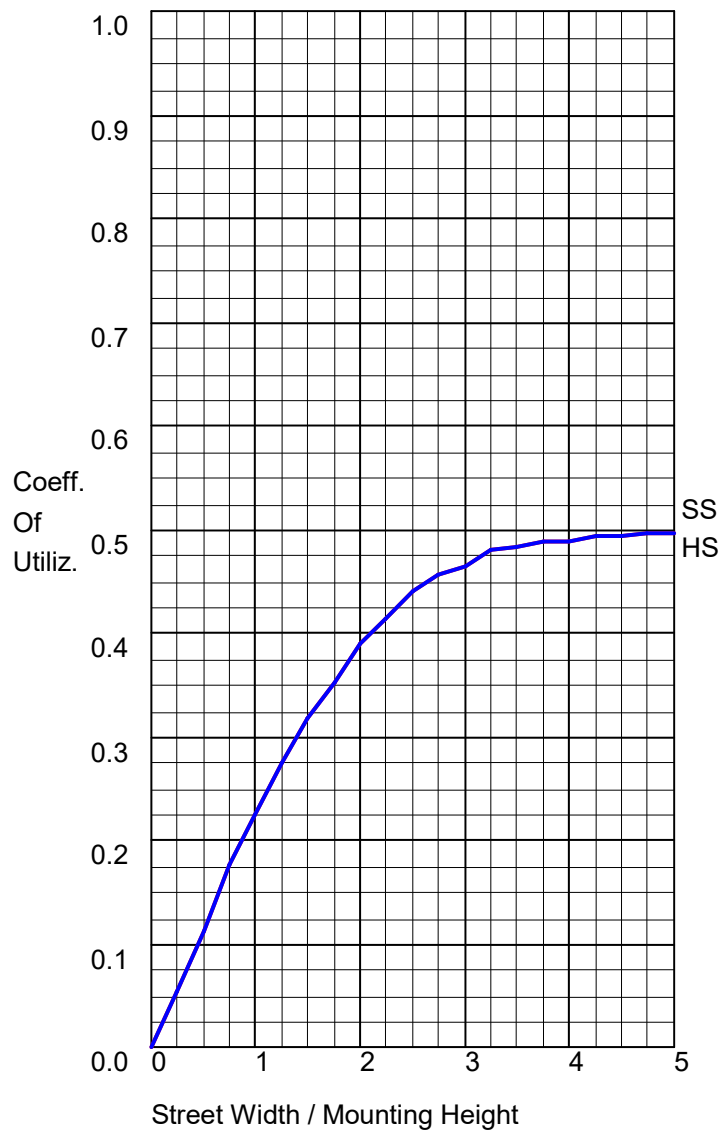
	90
0.0	575
2.5	564
5.0	557
7.5	556
10.0	568
12.5	607
15.0	657
17.5	712
20.0	779
22.5	858
25.0	930
27.5	1016
30.0	1099
32.5	1148
35.0	1202
37.5	1263
40.0	1328
42.5	1406
45.0	1482
47.5	1571
50.0	1670
52.5	1773
55.0	1887
57.5	2028
60.0	2185
62.5	2375
65.0	2663
67.5	3207
70.0	2975
72.5	1870
75.0	747
77.5	323

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CANDELA TABULATION - (Cont.)

80.0	133
82.5	72
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

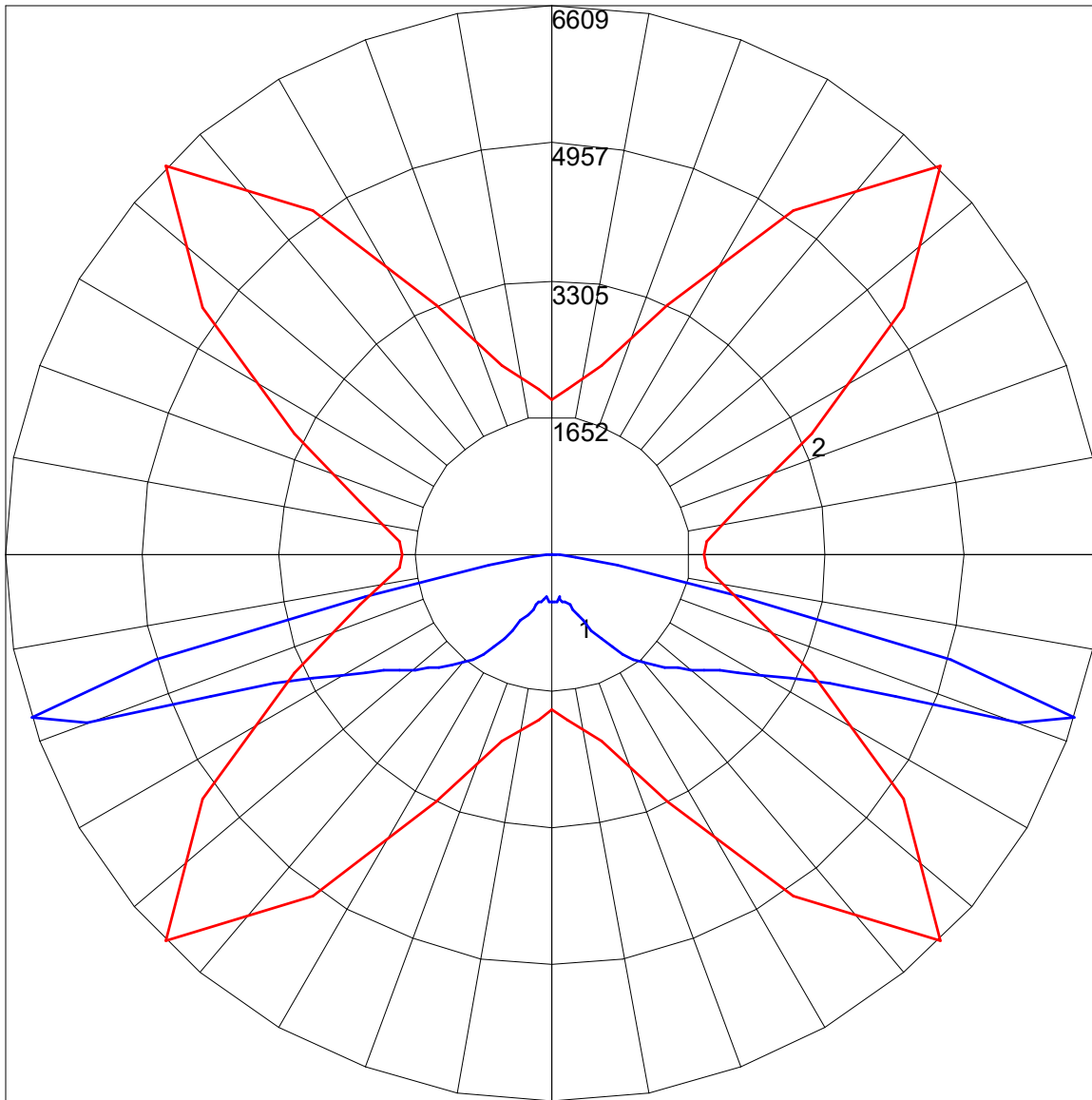
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

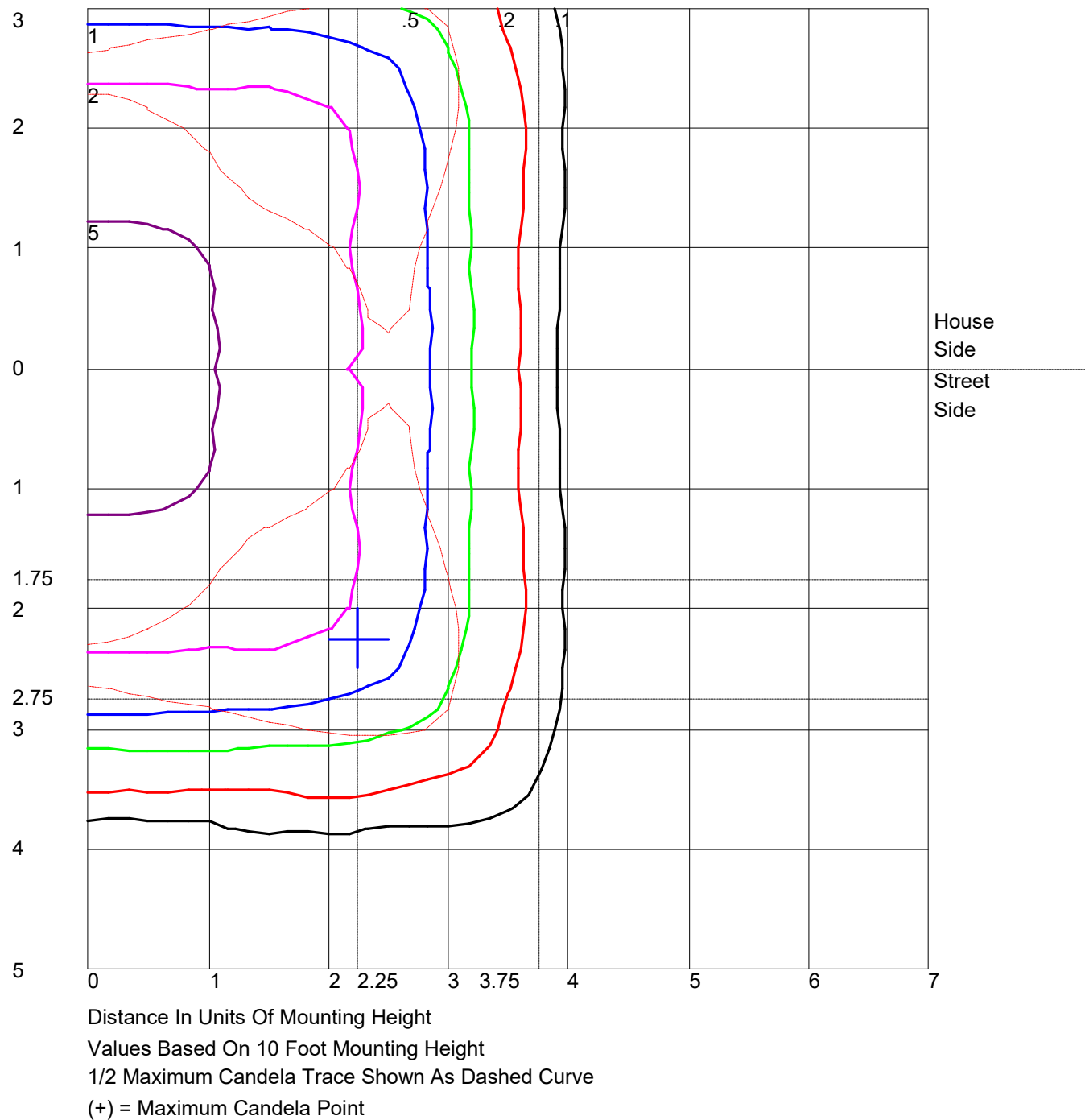
	Lumens	Percent Of Luminaire
Downward Street Side	5303.6	49.9
Downward House Side	5303.6	49.9
Downward Total	10607.2	99.8
Upward Street Side	10.4	0.1
Upward House Side	10.4	0.1
Upward Total	20.8	0.2
Total Flux	10628.0	100.0

POLAR GRAPH

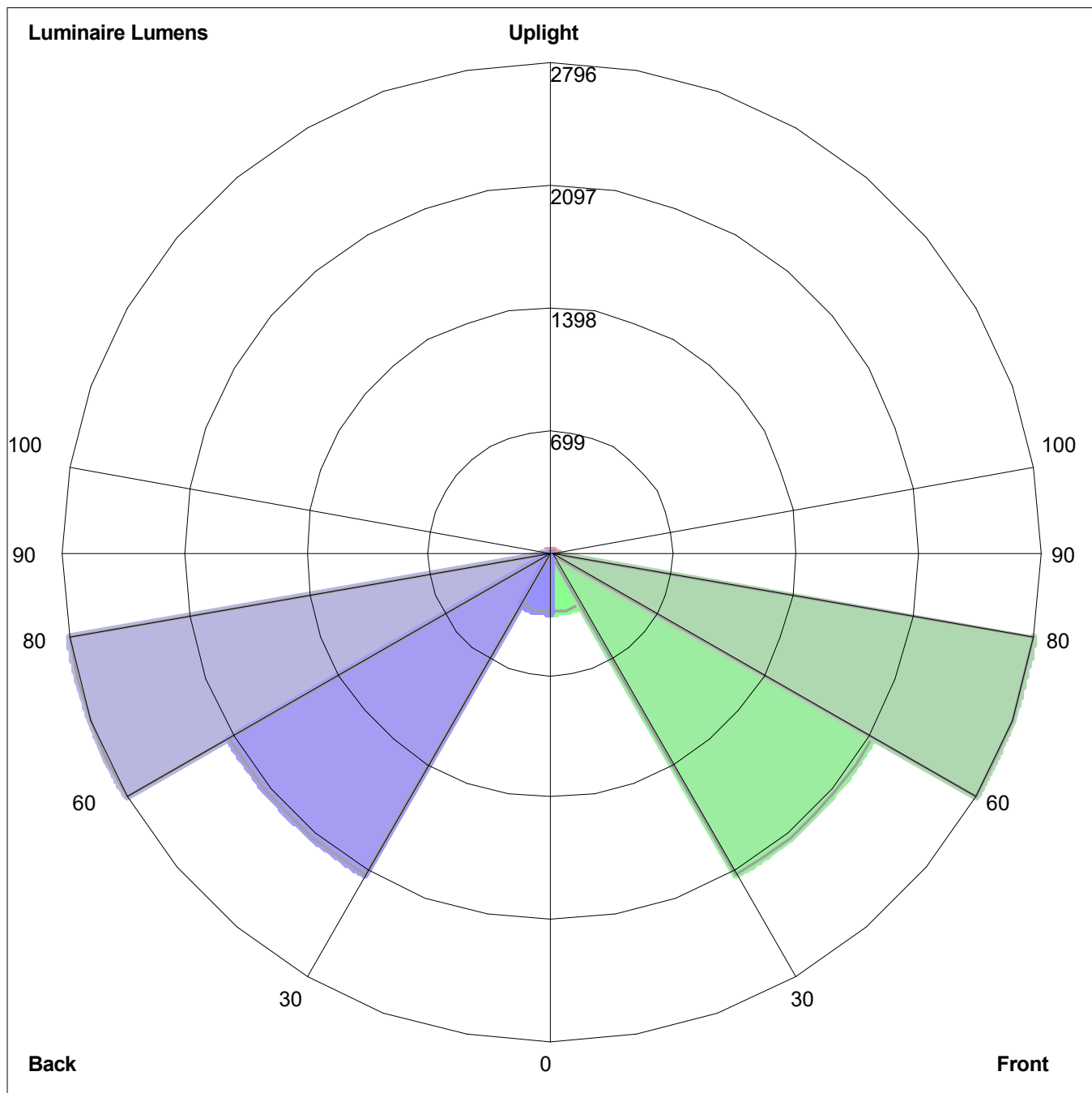


Maximum Candela = 6609 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=341.3, Medium=2120.6, High=2795.9, Very High=45.8
Back: Low=341.3, Medium=2120.6, High=2795.9, Very High=45.8
Uplight: Low=7.5, High=13.3

BUG Rating : B4-U2-G2