



IES ROAD REPORT

PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-10L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11686
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/10/20
[TEST DATE] 04/06/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] LXM4-PT-5W-LED-10L-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	9152
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	77.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4796
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	4796
Maximum Candela Angle (<90 Degrees Vertical)	45H 70V
Maximum Candela At 90 Degrees Vertical	8 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	568 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-10L-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	284.8	N.A.	3.1
FM - Front-Medium (30-60)	1951.6	N.A.	21.3
FH - Front-High (60-80)	2286.7	N.A.	25.0
FVH - Front-Very High (80-90)	44.9	N.A.	0.5
BL - Back-Low (0-30)	284.8	N.A.	3.1
BM - Back-Medium (30-60)	1951.6	N.A.	21.3
BH - Back-High (60-80)	2286.7	N.A.	25.0
BVH - Back-Very High (80-90)	44.9	N.A.	0.5
UL - Uplight-Low (90-100)	5.8	N.A.	0.1
UH - Uplight-High (100-180)	10.5	N.A.	0.1
Total	9152.3	N.A.	100.0
BUG Rating	B3-U2-G2		

IES ROAD REPORT
PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-10L-30.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	477	477	477	477	477	477	477	477	477	477
2.5	475	474	476	476	479	477	476	472	471	472
5.0	450	448	449	459	456	453	449	450	441	448
7.5	449	443	442	442	438	434	447	454	469	457
10.0	451	448	445	431	444	447	462	464	478	477
12.5	501	493	488	471	477	472	480	497	499	503
15.0	543	532	519	531	531	523	522	524	541	551
17.5	575	575	561	572	588	590	575	565	586	590
20.0	628	638	622	638	645	640	643	612	630	655
22.5	687	675	693	703	713	720	725	688	693	729
25.0	739	740	757	773	794	799	823	806	759	801
27.5	829	826	849	871	886	907	914	921	858	880
30.0	896	900	913	959	986	1028	1049	1037	962	953
32.5	1029	1018	1026	1050	1103	1157	1189	1165	1074	1035
35.0	1111	1124	1125	1168	1224	1310	1330	1292	1194	1125
37.5	1259	1253	1238	1260	1363	1434	1471	1432	1335	1225
40.0	1334	1342	1368	1398	1495	1594	1608	1570	1459	1303
42.5	1410	1421	1443	1507	1647	1713	1737	1680	1552	1379
45.0	1492	1504	1524	1608	1754	1823	1825	1772	1643	1455
47.5	1576	1592	1619	1707	1838	1900	1907	1864	1741	1547
50.0	1667	1687	1719	1793	1918	1979	1993	1957	1841	1656
52.5	1767	1791	1822	1885	2002	2064	2077	2061	1954	1767
55.0	1879	1906	1929	1992	2090	2164	2172	2170	2072	1884
57.5	2013	2036	2065	2115	2197	2283	2292	2312	2215	2015
60.0	2189	2199	2237	2277	2360	2471	2488	2496	2389	2185
62.5	2353	2371	2432	2513	2635	2793	2758	2751	2627	2395
65.0	2535	2561	2637	2773	3012	3251	3169	3082	2915	2642
67.5	2577	2627	2773	3066	3499	3868	3702	3489	3250	2902
70.0	2172	2234	2461	2998	4029	4796	4349	3695	3056	2500
72.5	1331	1356	1636	2216	3400	4670	3868	2781	1942	1444
75.0	447	446	614	1119	2250	3362	2524	1409	827	618
77.5	207	221	270	413	912	1599	1019	587	364	284
80.0	98	100	121	187	365	568	429	249	153	136
82.5	62	62	66	89	144	197	144	111	91	92
85.0	41	40	42	50	72	84	75	66	57	58
87.5	23	23	23	26	32	35	31	29	26	24
90.0	5	6	7	7	8	8	7	6	6	5
92.5	5	5	5	5	6	8	7	6	5	5
95.0	4	4	5	5	6	7	7	6	5	4
97.5	4	4	4	5	5	6	5	5	5	4
100.0	3	3	4	4	4	5	5	5	4	3
102.5	3	3	3	3	4	4	4	4	3	2
105.0	2	2	3	3	3	3	3	3	3	2
107.5	2	2	3	3	3	3	3	3	2	2
110.0	2	2	3	3	3	3	3	3	2	2
112.5	2	2	3	3	3	3	3	3	2	2
115.0	2	2	3	3	3	3	3	3	2	2
117.5	2	2	3	3	3	3	3	3	3	2
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 : LXM4-PT-5W-LED-10L-30.IES

CANDELA TABULATION - (Cont.)

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

Vert. Horizontal Angles

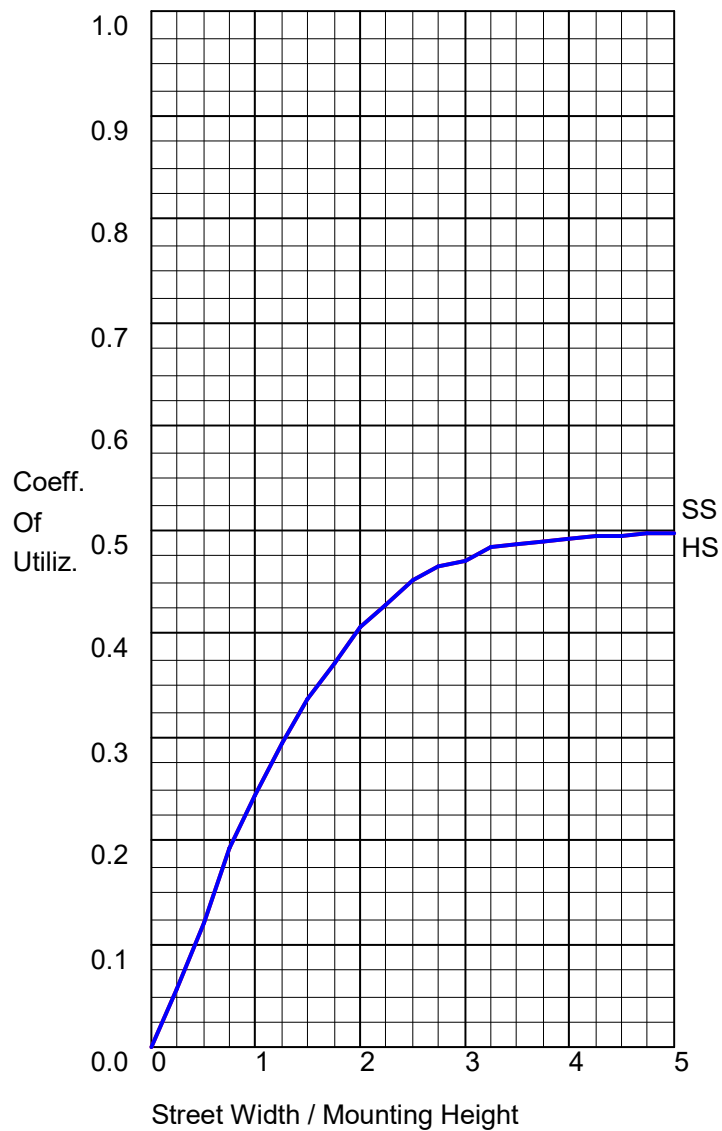
	90
0.0	477
2.5	475
5.0	451
7.5	459
10.0	472
12.5	512
15.0	549
17.5	598
20.0	651
22.5	718
25.0	799
27.5	871
30.0	964
32.5	1039
35.0	1132
37.5	1235
40.0	1307
42.5	1377
45.0	1456
47.5	1545
50.0	1638
52.5	1727
55.0	1831
57.5	1965
60.0	2120
62.5	2306
65.0	2523
67.5	2783
70.0	2343
72.5	1355
75.0	593
77.5	274

IES ROAD REPORT
PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-10L-30.IES

CANDELA TABULATION - (Cont.)

80.0	134
82.5	93
85.0	55
87.5	20
90.0	4
92.5	3
95.0	3
97.5	3
100.0	2
102.5	2
105.0	2
107.5	2
110.0	2
112.5	2
115.0	2
117.5	2
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

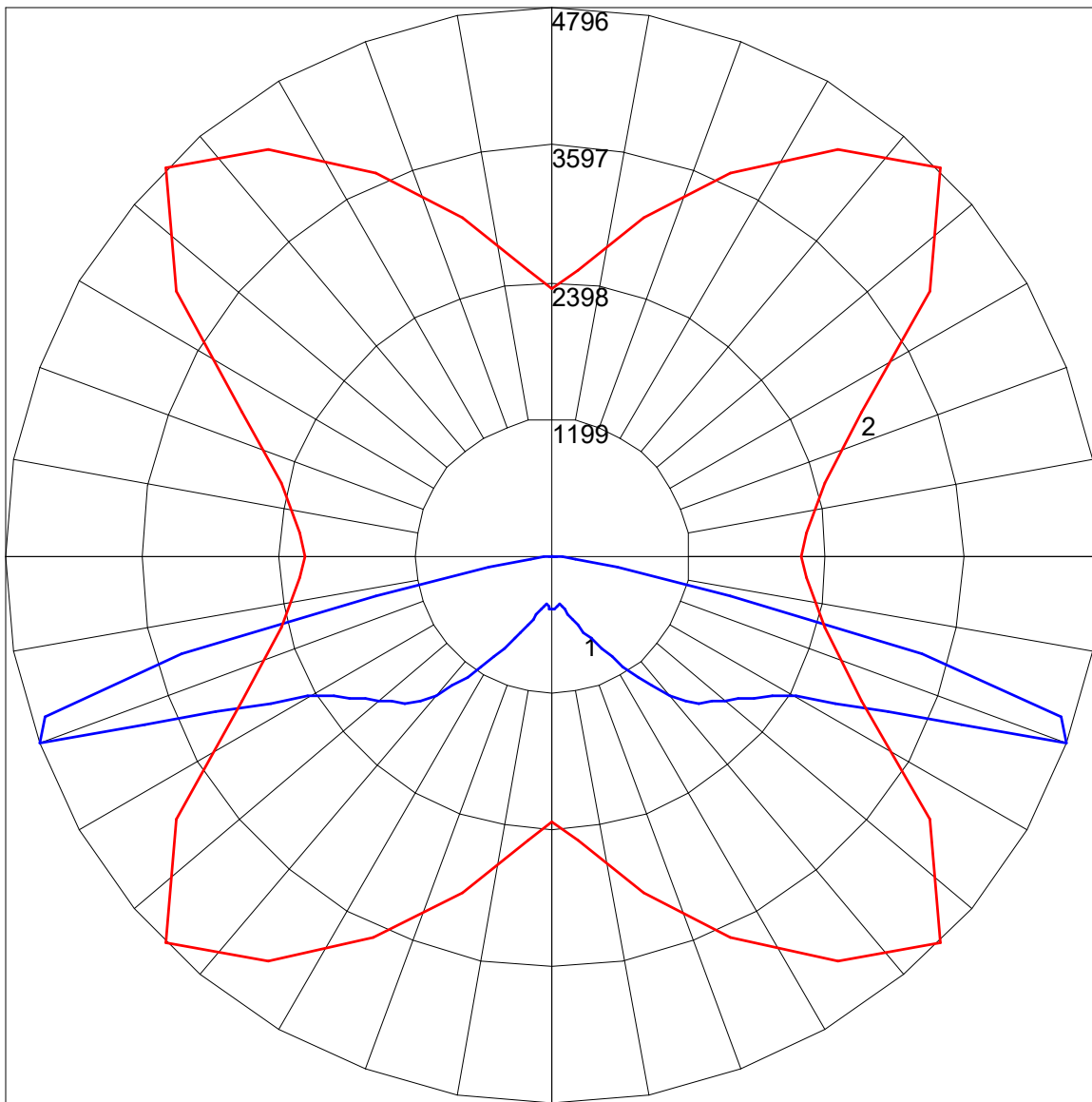
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

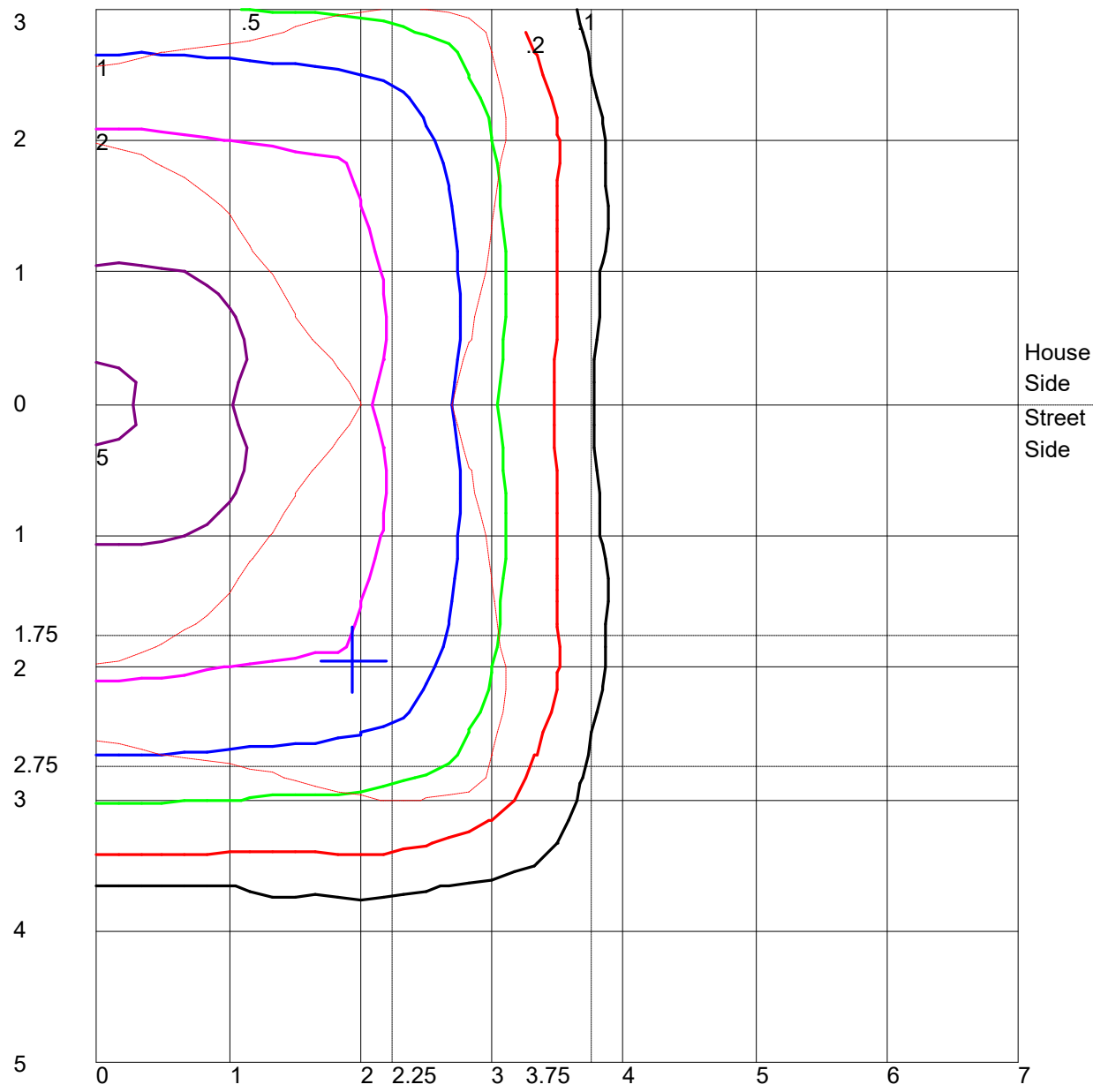
	Lumens	Percent Of Luminaire
Downward Street Side	4568.0	49.9
Downward House Side	4568.0	49.9
Downward Total	9136.0	99.8
Upward Street Side	8.2	0.1
Upward House Side	8.2	0.1
Upward Total	16.4	0.2
Total Flux	9152.4	100.0

POLAR GRAPH

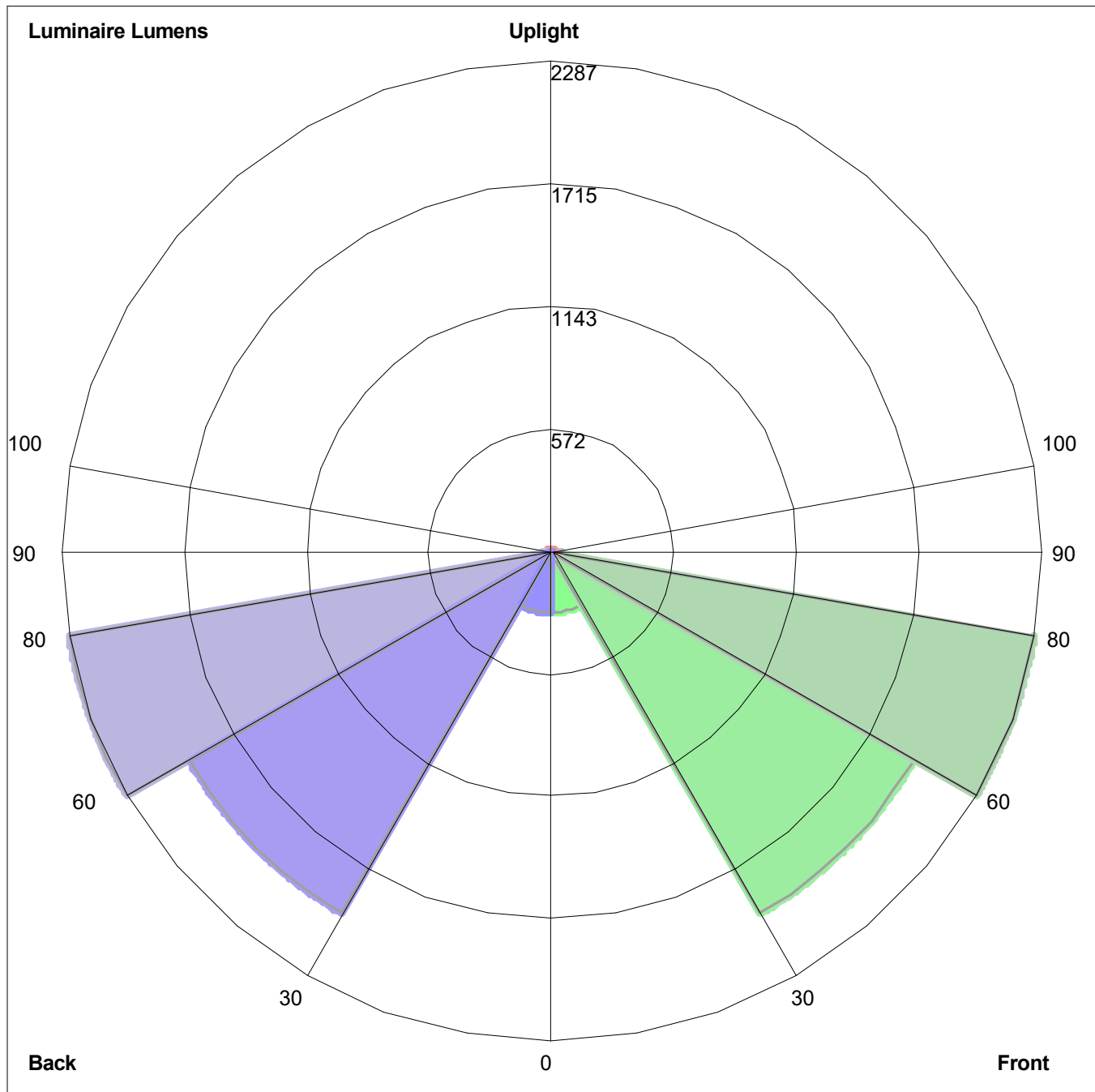


Maximum Candela = 4796 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=284.8, Medium=1951.6, High=2286.7, Very High=44.9
Back: Low=284.8, Medium=1951.6, High=2286.7, Very High=44.9
Uplight: Low=5.8, High=10.5

BUG Rating : B3-U2-G2