



IES ROAD REPORT
PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-25L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11749
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/10/20
[TEST DATE] 04/24/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] LXM4-PT-5W-LED-25L-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	23612
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	227.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11363
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	11363
Maximum Candela Angle (<90 Degrees Vertical)	45H 70V
Maximum Candela At 90 Degrees Vertical	22 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1034 (4.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	719.4	N.A.	3.0
FM - Front-Medium (30-60)	5621.2	N.A.	23.8
FH - Front-High (60-80)	5342.2	N.A.	22.6
FVH - Front-Very High (80-90)	98.2	N.A.	0.4
BL - Back-Low (0-30)	719.4	N.A.	3.0
BM - Back-Medium (30-60)	5621.2	N.A.	23.8
BH - Back-High (60-80)	5342.2	N.A.	22.6
BVH - Back-Very High (80-90)	98.2	N.A.	0.4
UL - Uplight-Low (90-100)	15.2	N.A.	0.1
UH - Uplight-High (100-180)	34.4	N.A.	0.1
Total	23611.6	N.A.	100.0
BUG Rating	B5-U2-G3		

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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	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006
2.5	989	992	1002	1014	1012	1010	1007	1003	1004	1002
5.0	946	957	971	978	997	969	976	964	959	956
7.5	933	954	978	928	951	930	955	998	1017	996
10.0	978	995	1007	950	977	995	1015	1013	1075	1042
12.5	1107	1148	1098	1079	1107	1087	1088	1097	1134	1142
15.0	1222	1274	1235	1269	1292	1249	1234	1212	1243	1237
17.5	1346	1391	1367	1400	1442	1464	1412	1384	1407	1396
20.0	1545	1576	1550	1584	1627	1659	1654	1570	1573	1576
22.5	1699	1713	1752	1794	1833	1880	1920	1818	1807	1822
25.0	1884	1867	1939	2040	2103	2144	2199	2126	2005	2030
27.5	2105	2185	2263	2301	2384	2455	2486	2437	2295	2292
30.0	2392	2371	2442	2606	2682	2845	2863	2797	2612	2595
32.5	2766	2809	2792	2859	3052	3190	3274	3187	2976	2811
35.0	3120	3094	3146	3265	3405	3639	3694	3556	3398	3166
37.5	3501	3569	3508	3584	3858	4055	4109	3971	3715	3481
40.0	3794	3858	3886	4021	4265	4454	4489	4379	4138	3694
42.5	4056	4091	4155	4330	4658	4788	4874	4710	4419	3931
45.0	4294	4335	4411	4636	4979	5162	5173	4993	4680	4198
47.5	4552	4598	4695	4886	5250	5428	5459	5293	5000	4470
50.0	4818	4868	5001	5145	5492	5724	5766	5594	5332	4769
52.5	5043	5135	5284	5441	5786	6038	6089	5967	5662	5116
55.0	5321	5420	5591	5786	6083	6383	6475	6366	6087	5548
57.5	5711	5808	5996	6237	6561	6920	7067	6921	6600	6038
60.0	6146	6245	6435	6732	7284	7744	7763	7394	6940	6277
62.5	6433	6564	6825	7245	8016	8692	8467	7701	7069	6377
65.0	6501	6677	7034	7651	8781	9634	8980	7880	7108	6310
67.5	5664	5902	6446	7461	9362	10767	9631	8107	7047	6017
70.0	3940	4125	4752	6122	8919	11363	9667	7398	5685	4628
72.5	2131	2266	2793	3916	6726	9617	7567	5038	3413	2652
75.0	846	903	1149	1753	3913	6225	4353	2520	1542	1147
77.5	403	423	491	729	1545	2764	1899	1133	677	522
80.0	217	220	243	343	648	1034	839	536	323	294
82.5	153	152	162	201	284	380	319	279	221	215
85.0	102	103	110	132	172	195	183	171	141	138
87.5	56	56	62	71	84	86	80	74	63	58
90.0	14	14	17	17	19	22	20	18	15	12
92.5	10	10	13	14	17	22	21	18	15	11
95.0	10	10	12	13	15	20	19	17	15	10
97.5	9	9	10	11	13	16	15	15	12	8
100.0	7	7	8	9	10	13	13	12	10	7
102.5	6	6	8	8	9	10	11	10	8	6
105.0	6	6	7	7	9	9	9	9	7	6
107.5	6	6	7	7	8	8	8	8	7	5
110.0	6	6	7	8	8	8	7	7	7	6
112.5	6	6	7	8	8	8	7	8	7	6
115.0	7	7	8	8	9	8	8	8	7	7
117.5	7	7	8	9	10	9	8	8	8	7
120.0	8	8	9	10	10	10	9	9	9	8
122.5	8	8	10	10	11	11	10	9	9	8
125.0	9	9	10	11	11	11	10	9	10	9
127.5	9	9	10	11	11	11	9	9	9	9
130.0	9	9	10	11	11	11	9	9	10	9

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CANDELA TABULATION - (Cont.)

132.5	9	9	10	11	11	10	9	9	10	10
135.0	9	8	9	9	9	9	7	8	9	9
137.5	5	5	6	6	6	5	5	5	5	5
140.0	3	3	4	4	3	3	3	3	3	3
142.5	3	3	3	3	3	2	2	3	3	3
145.0	3	3	3	3	3	2	2	3	3	3
147.5	3	3	3	3	3	2	2	3	3	3
150.0	3	3	3	3	2	2	2	2	3	3
152.5	3	3	3	3	2	2	2	2	3	3
155.0	3	3	3	2	2	2	2	2	3	3
157.5	3	3	3	2	2	2	2	2	2	2
160.0	2	3	2	2	2	2	2	2	2	2
162.5	3	2	3	2	2	2	2	2	2	2
165.0	2	2	2	2	2	1	2	2	2	2
167.5	2	2	2	2	2	1	2	2	2	2
170.0	2	2	2	2	1	1	1	2	2	2
172.5	2	2	2	2	2	1	1	2	2	2
175.0	2	2	2	1	1	1	1	1	2	2
177.5	1	1	1	1	1	1	1	1	1	1
180.0	1	1	1	1	1	1	1	1	1	1

Vert. Horizontal Angles

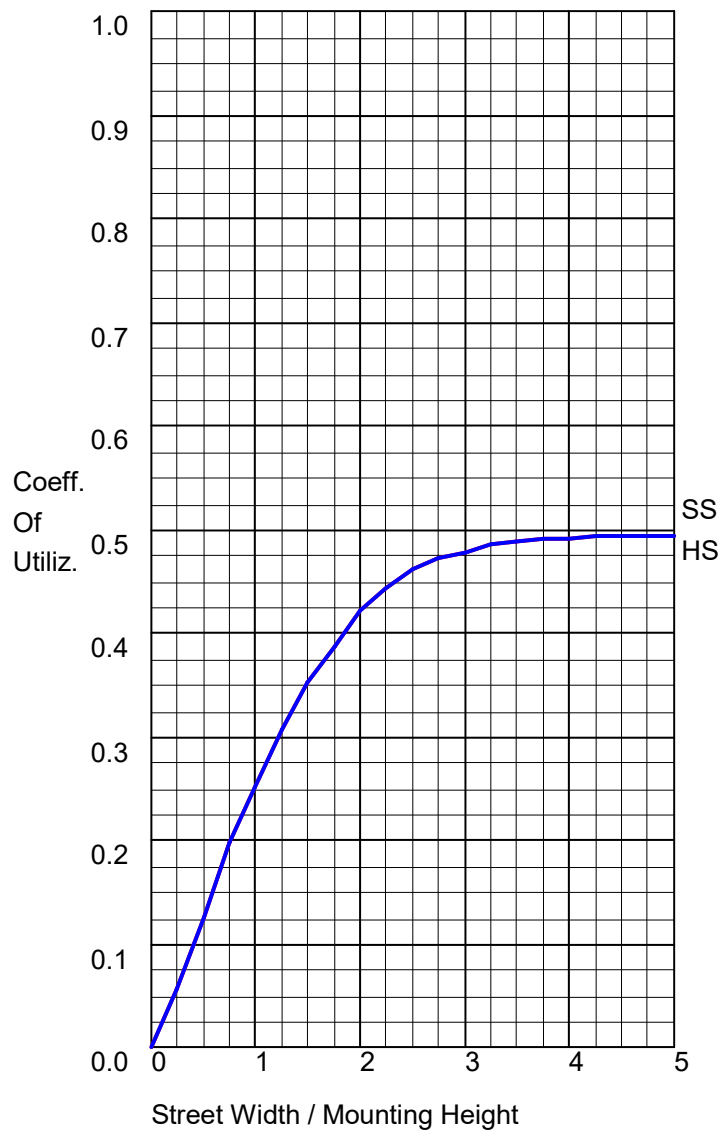
	<u>90</u>
0.0	1006
2.5	1002
5.0	963
7.5	1005
10.0	1037
12.5	1143
15.0	1248
17.5	1390
20.0	1585
22.5	1788
25.0	2034
27.5	2250
30.0	2552
32.5	2820
35.0	3105
37.5	3446
40.0	3684
42.5	3917
45.0	4188
47.5	4449
50.0	4740
52.5	5083
55.0	5418
57.5	5842
60.0	6005
62.5	6056
65.0	5971
67.5	5688
70.0	4344
72.5	2563
75.0	1093
77.5	491

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CANDELA TABULATION - (Cont.)

80.0	283
82.5	206
85.0	128
87.5	52
90.0	8
92.5	9
95.0	8
97.5	7
100.0	6
102.5	5
105.0	6
107.5	5
110.0	6
112.5	6
115.0	7
117.5	7
120.0	8
122.5	9
125.0	9
127.5	9
130.0	9
132.5	9
135.0	8
137.5	5
140.0	3
142.5	3
145.0	3
147.5	3
150.0	3
152.5	3
155.0	3
157.5	2
160.0	2
162.5	2
165.0	2
167.5	2
170.0	2
172.5	2
175.0	2
177.5	1
180.0	1

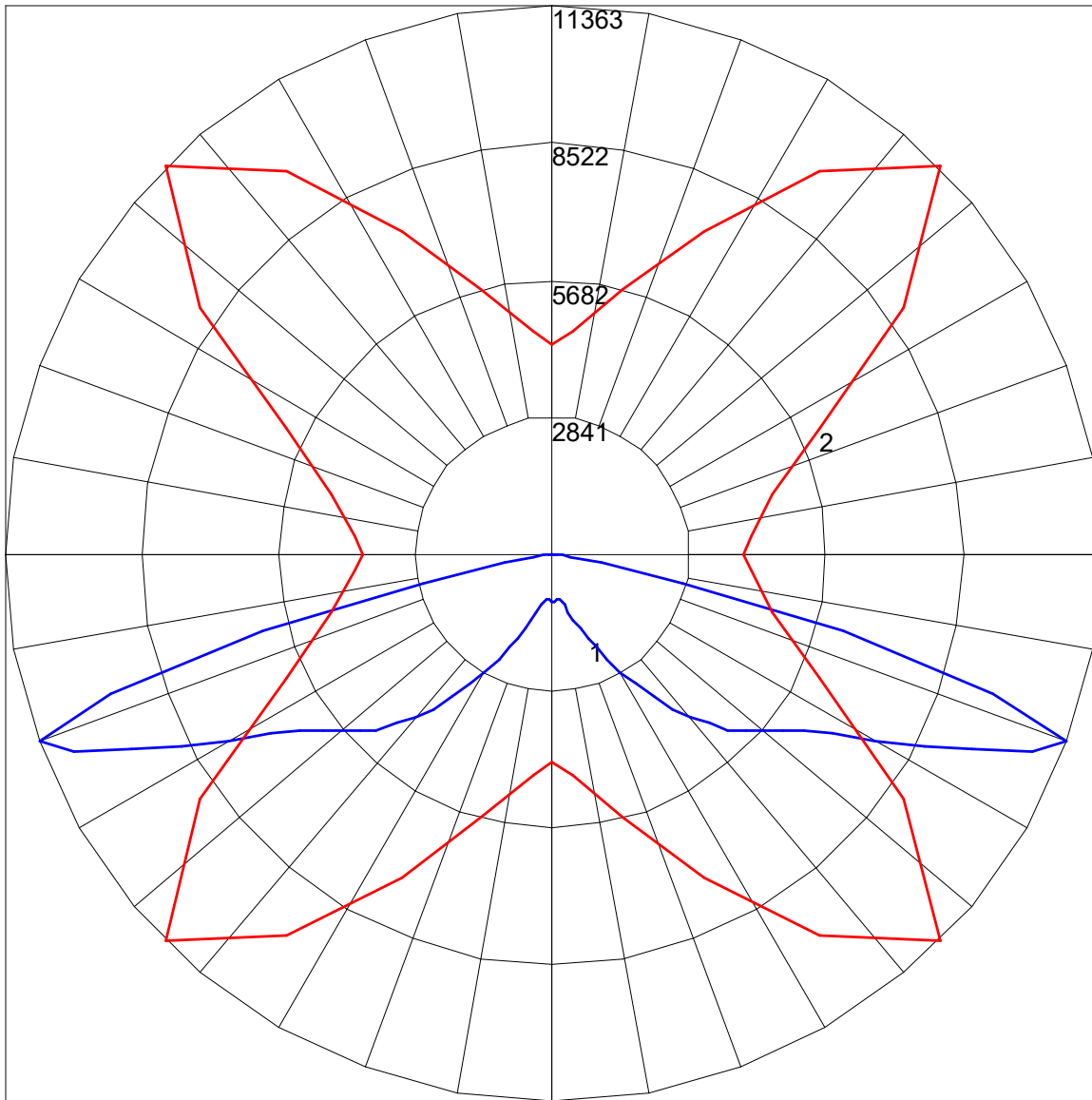
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

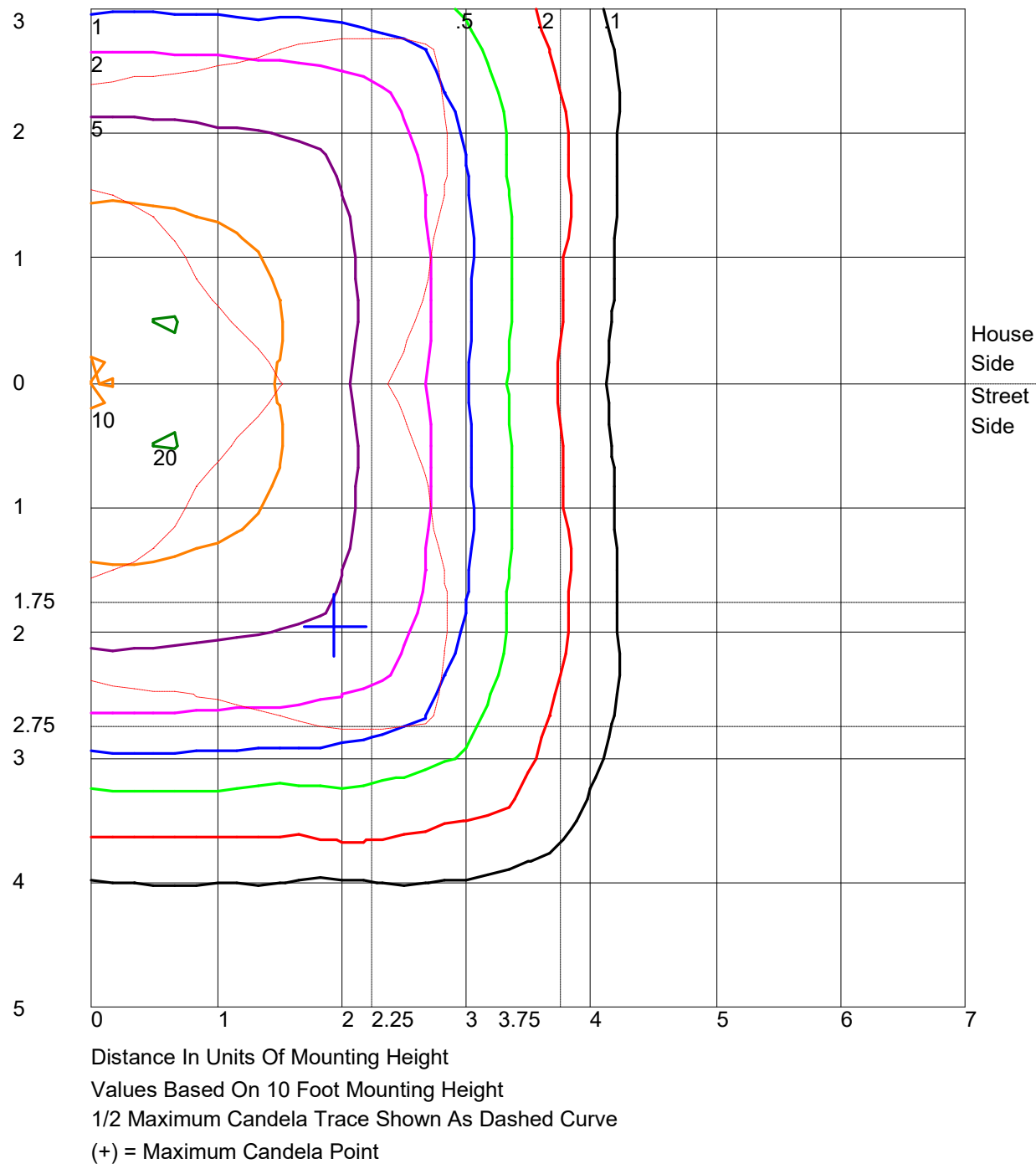
	Lumens	Percent Of Luminaire
Downward Street Side	11781.1	49.9
Downward House Side	11781.1	49.9
Downward Total	23562.2	99.8
Upward Street Side	24.8	0.1
Upward House Side	24.8	0.1
Upward Total	49.6	0.2
Total Flux	23611.8	100.0

POLAR GRAPH

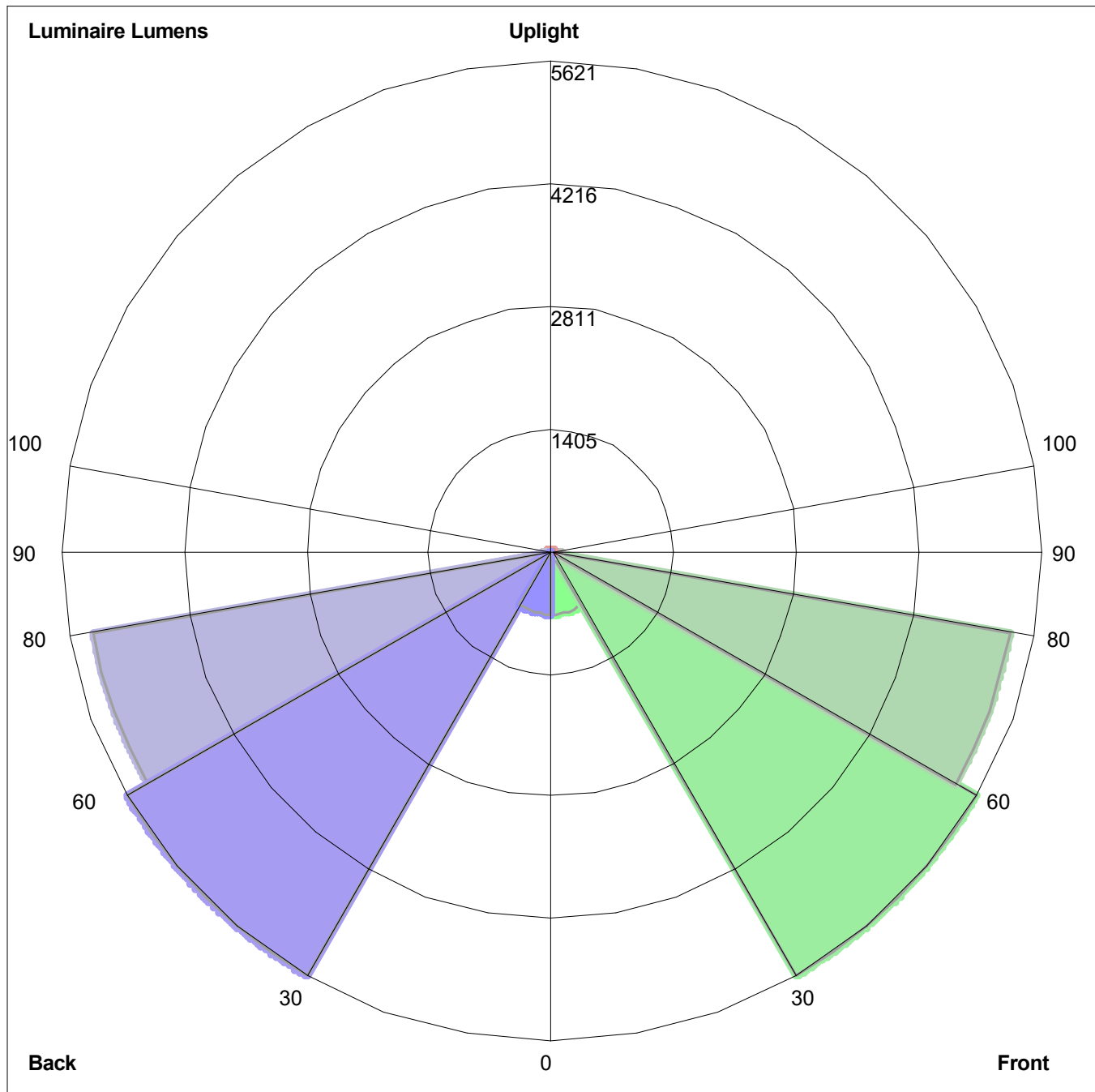


Maximum Candela = 11363 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=719.4, Medium=5621.2, High=5342.2, Very High=98.2
Back: Low=719.4, Medium=5621.2, High=5342.2, Very High=98.2
Uplight: Low=15.2, High=34.4

BUG Rating : B5-U2-G3