IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-VHO-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12156
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/19/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS-AC-VHO-40
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17799
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	152
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9436
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	9436
Maximum Candela Angle (<90 Degrees Vertical)	2.5H 25V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1844 (10.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3047.9	N.A.	17.1
FM - Front-Medium (30-60)	6944.8	N.A.	39.0
FH - Front-High (60-80)	3045.9	N.A.	17.1
FVH - Front-Very High (80-90)	216.5	N.A.	1.2
BL - Back-Low (0-30)	1412.1	N.A.	7.9
BM - Back-Medium (30-60)	1986.3	N.A.	11.2
BH - Back-High (60-80)	1053.8	N.A.	5.9
BVH - Back-Very High (80-90)	91.9	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	17799.1	N.A.	100.0
BUG Rating	B3-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	2.5	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0
0.0	7356	7356	7356	7356	7356	7356	7356	7356	7356	7356
2.5	7404	7366	7378	7400	7397	7380	7410	7409	7410	7416
5.0	7144	7122	7099	7127	7177	7177	7236	7272	7262	7316
7.5	6776	6769	6752	6786	6844	6906	6969	7017	7050	7066
10.0	6646	6674	6657	6665	6621	6627	6672	6759	6832	6732
12.5	7158	7114	7101	7016	6878	6670	6633	6544	6610	6575
15.0	7592	7601	7571	7504	7356	7048	6788	6692	6388	6478
17.5	8129	8112	8126	8043	7773	7387	7036	6954	6474	6477
20.0	8705	8681	8698	8594	8245	7692	7192	6976	6802	6420
22.5	9387	9384	9360	9128	8566	7835	7291	6955	7103	6314
25.0	9384	9436	9414	9340	8673	7725	7252	6934	7309	6225
27.5	8384	8388	8409	8480	8181	7593	7323	6978	7140	6208
30.0	7744	7722	7718	7664	7576	7430	7381	7072	7076	6265
32.5	7507	7517	7470	7413	7339	7268	7213	7089	7459	6295
35.0	7395	7386	7388	7311	7224	7152	7101	6955	7301	6406
37.5	7277	7242	7268	7223	7090	7003	7019	6935	6935	6554
40.0	7126	7090	7098	7020	6924	6839	6857	6942	6666	6479
42.5	6935	6909	6899	6840	6714	6645	6645	6802	6619	6285
45.0	6650	6621	6633	6560	6510	6431	6402	6495	6479	5970
47.5	6319	6335	6312	6272	6267	6220	6168	6156	6217	5867
50.0	5910	5920	5912	5913	5964	5955	5913	5846	6016	5790
52.5	5398	5401	5417	5536	5676	5651	5641	5609	5601	5749
55.0	4919	4943	4927	5087	5317	5351	5412	5391	5248	5462
57.5	4491	4509	4511	4644	4944	5072	5216	5154	4908	4821
60.0	4067	4062	4093	4249	4612	4837	5033	4904	4551	4256
62.5	3709	3709	3729	3851	4225	4621	4820	4548	4211	3804
65.0	3510	3498	3527	3681	3898	4373	4544	4172	3808	3292
67.5	3105	3164	3220	3671	3737	4149	4204	3658	3296	2872
70.0	2368	2409	2472	3673	3641	3943	3733	3121	2828	2489
72.5	1954	1970	2031	3560	3474	3532	3229	2607	2312	2100
75.0	1407	1434	1474	3236	3117	2899	2533	2081	1772	1684
77.5	635	633	695	2269	2504	2353	1674	1521	1290	1194
80.0	472	482	514	1506	1844	1744	1150	957	831	749
82.5	403	407	440	1033	1074	870	682	418	479	405
85.0	264	277	297	526	426	312	306	165	219	196
87.5	82	92	96	146	134	119	101	77	80	81
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	85.0	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0
0.0	7356	7356	7356	7356	7356	7356	7356	7356	7356	7356
2.5	7380	7410	7381	7379	7362	7358	7282	7258	7269	7207
5.0	7300	7312	7297	7221	7125	6934	6716	6513	6224	6139
7.5	7050	7069	7035	6894	6634	6166	5597	5028	4672	4519
10.0	6682	6690	6614	6415	5926	5152	4439	3899	3676	3579
12.5	6258	6225	6151	5779	5126	4225	3586	3343	3217	3127
15.0	5904	5747	5663	5198	4389	3570	3143	2955	2854	2774
17.5	5759	5406	5283	4770	3805	3191	2812	2629	2528	2443
20.0	5873	5332	5001	4463	3506	2958	2533	2334	2228	2172
22.5	6062	5319	4841	4416	3308	2672	2264	2041	1962	1936
25.0	6117	5286	4785	4204	2993	2413	1993	1776	1752	1771
27.5	6156	5395	4768	3891	2789	2197	1740	1550	1577	1598

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CANDELA TABULATION - (Cont.)

30.0	6332	5537	4651	3672	2772	1946	1507	1345	1368	1351
32.5	6456	5472	4518	3750	2685	1741	1312	1154	1159	1159
35.0	6337	5346	4426	3779	2418	1582	1163	1007	1017	1090
37.5	6004	5147	4369	3475	2165	1477	1055	916	941	1056
40.0	5790	5005	4398	3154	2008	1371	996	869	896	996
42.5	5607	4907	4348	2993	1936	1280	954	836	847	902
45.0	5464	4876	4258	2944	1918	1228	924	805	795	813
47.5	5403	5006	4249	3000	2045	1227	903	772	745	747
50.0	5267	5072	4262	3150	2213	1279	891	735	695	702
52.5	5059	4912	4163	3332	2307	1342	883	702	656	657
55.0	4684	4596	4010	3422	2361	1379	875	672	616	615
57.5	4329	4167	3762	3410	2377	1411	872	641	575	565
60.0	4032	3805	3500	3342	2325	1428	869	609	527	513
62.5	3615	3438	3226	3128	2241	1413	853	574	489	487
65.0	3130	3024	2918	2786	2131	1367	807	543	454	457
67.5	2704	2624	2586	2476	1981	1267	741	502	424	426
70.0	2357	2274	2246	2242	1787	1155	681	465	391	394
72.5	1987	1868	1879	1908	1547	1051	620	415	349	362
75.0	1610	1486	1468	1483	1242	911	548	372	304	309
77.5	1127	984	1016	1078	854	779	463	311	269	273
80.0	710	524	551	682	589	551	352	253	215	228
82.5	443	330	246	400	377	301	165	183	169	181
85.0	212	177	129	187	193	155	109	128	122	131
87.5	87	83	79	88	83	89	81	86	86	88
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	7356	7356
2.5	7233	7196
5.0	6063	6033
7.5	4401	4365
10.0	3527	3500
12.5	3106	3091
15.0	2721	2728
17.5	2396	2377
20.0	2116	2111
22.5	1905	1901
25.0	1759	1756
27.5	1547	1536
30.0	1291	1282
32.5	1159	1160
35.0	1131	1140
37.5	1098	1102
40.0	1020	1016
42.5	904	896
45.0	808	802
47.5	751	745
50.0	705	703
52.5	659	650
55.0	612	607
57.5	547	539
60.0	495	491
62.5	489	483
65.0	481	473

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CANDELA TABULATION - (Cont.)

67.5	440	433
70.0	395	379
72.5	349	330
75.0	291	270
77.5	233	210
80.0	197	176
82.5	177	159
85.0	133	120
87.5	89	85
90.0	0	0

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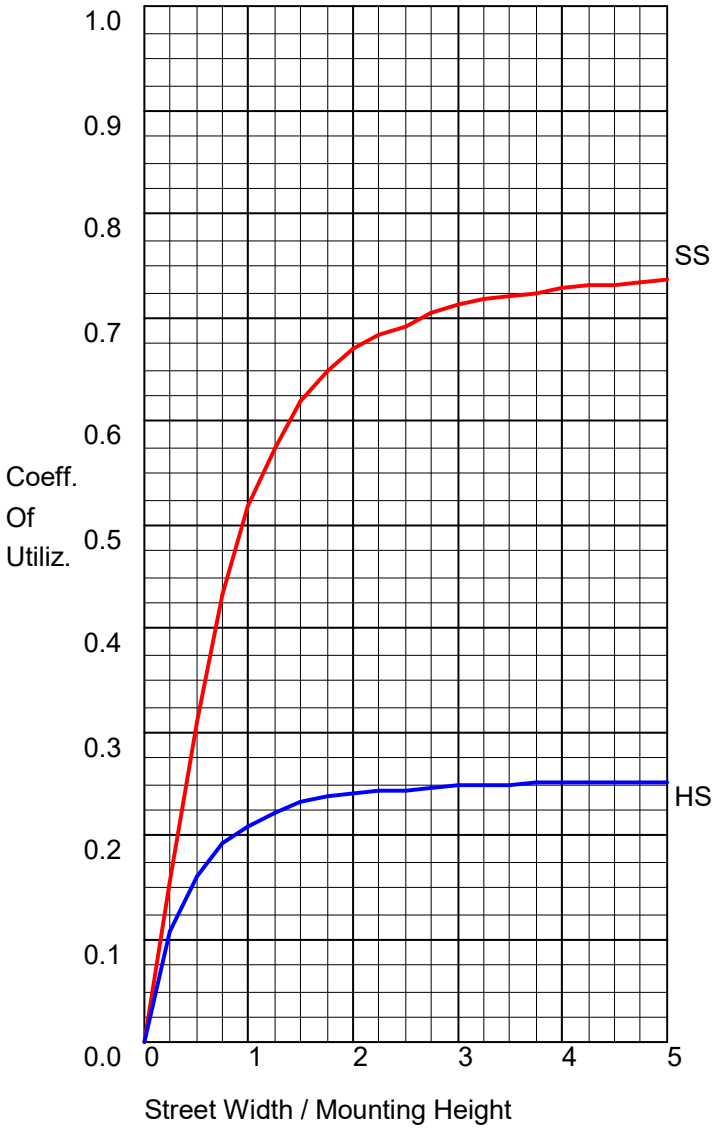
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	13255.0	74.5
Downward House Side	4544.0	25.5
Downward Total	17799.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	17799.0	100.0

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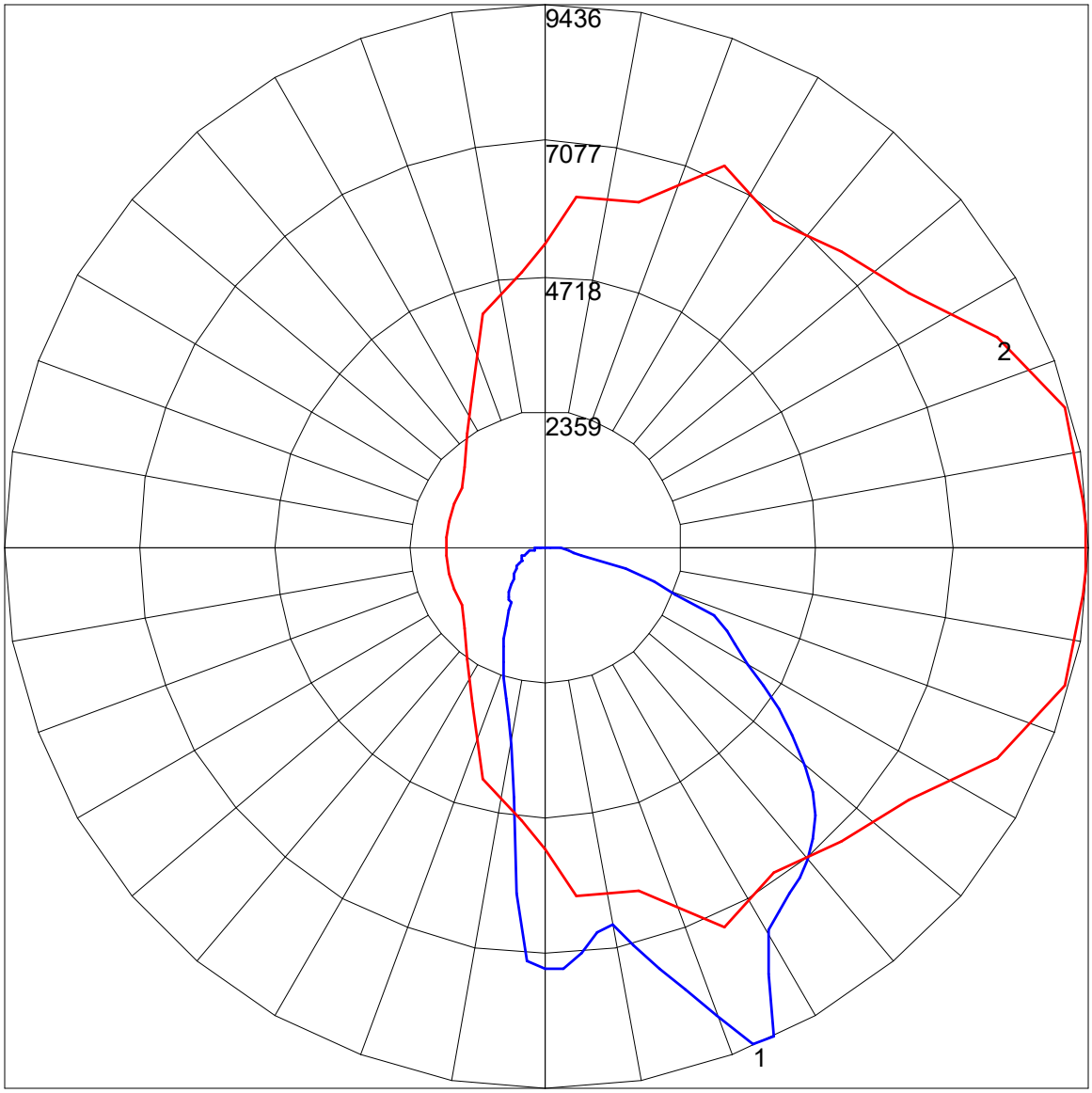
POLAR GRAPH



Maximum Candela = 9436 Located At Horizontal Angle = 2.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (2.5 - 182.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

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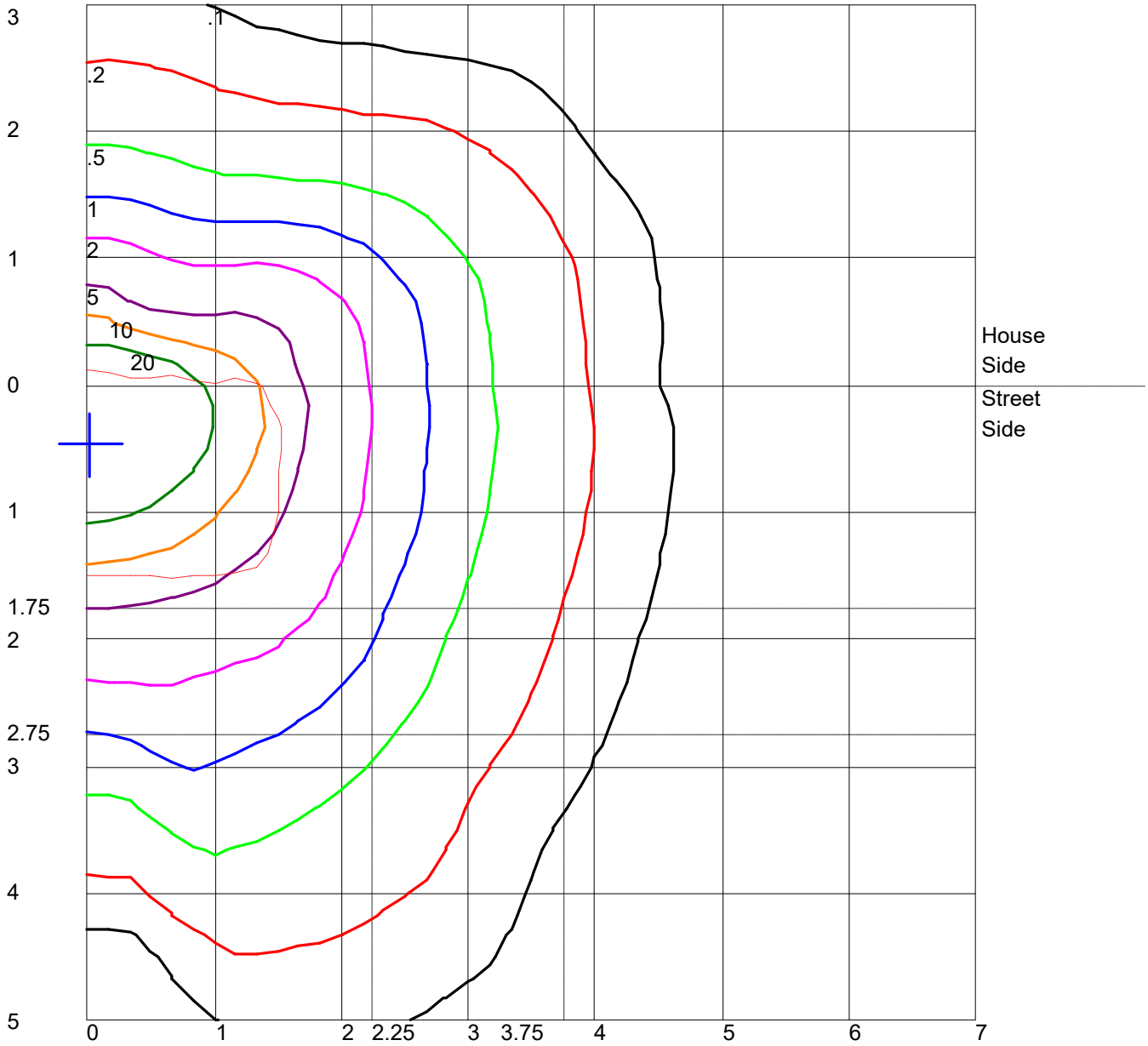
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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

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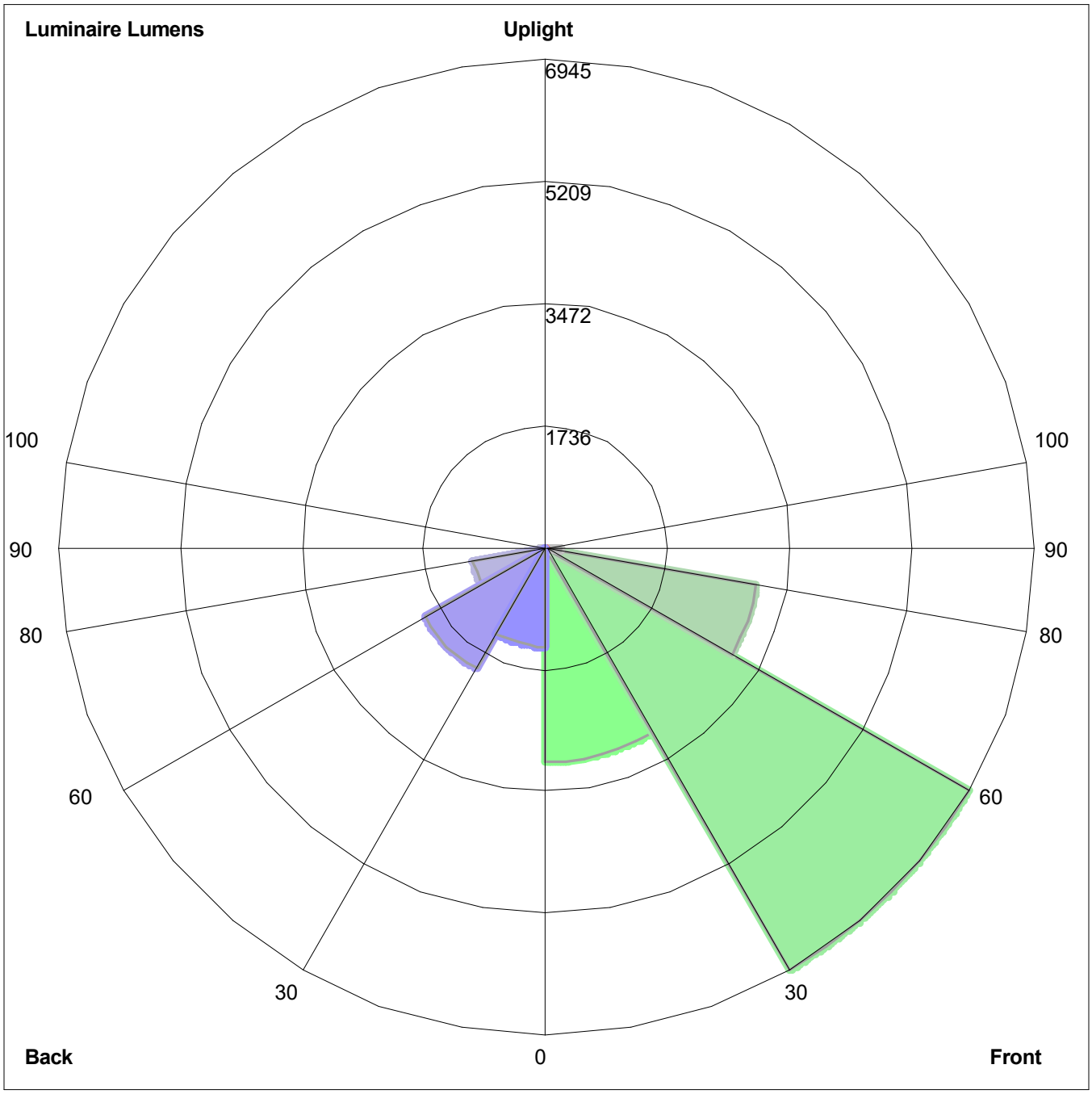
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=3047.9, Medium=6944.8, High=3045.9, Very High=216.5
Back: Low=1412.1, Medium=1986.3, High=1053.8, Very High=91.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3

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