IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-SS-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12157
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/19/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-AC-SS-30
[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 III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11468
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	93
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4970
Maximum Candela Angle	0H 20V
Maximum Candela (<90 Degrees Vertical)	4970
Maximum Candela Angle (<90 Degrees Vertical)	0H 20V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	658 (5.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1873.2	N.A.	16.3
FM - Front-Medium (30-60)	4238.1	N.A.	37.0
FH - Front-High (60-80)	1700.7	N.A.	14.8
FVH - Front-Very High (80-90)	80.2	N.A.	0.7
BL - Back-Low (0-30)	1166.2	N.A.	10.2
BM - Back-Medium (30-60)	1620.2	N.A.	14.1
BH - Back-High (60-80)	733.1	N.A.	6.4
BVH - Back-Very High (80-90)	56.7	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	11468.4	N.A.	100.0
BUG Rating	B3-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220
2.5	4326	4324	4321	4324	4326	4322	4310	4298	4270	4258
5.0	4354	4351	4342	4343	4345	4322	4317	4301	4275	4251
7.5	4397	4381	4371	4360	4360	4336	4308	4288	4245	4205
10.0	4518	4502	4474	4437	4404	4361	4307	4277	4213	4141
12.5	4665	4637	4611	4570	4502	4426	4339	4276	4197	4080
15.0	4764	4756	4710	4653	4581	4490	4395	4292	4210	4048
17.5	4932	4919	4852	4722	4611	4524	4418	4344	4224	4047
20.0	4970	4963	4909	4782	4630	4528	4425	4383	4227	4040
22.5	4799	4803	4763	4695	4617	4531	4440	4387	4220	4068
25.0	4706	4695	4676	4626	4586	4545	4453	4392	4229	4076
27.5	4652	4641	4621	4586	4560	4515	4442	4406	4238	4054
30.0	4614	4612	4578	4549	4516	4476	4415	4369	4214	4017
32.5	4576	4558	4539	4499	4458	4436	4378	4293	4175	3956
35.0	4531	4527	4495	4428	4378	4350	4325	4226	4108	3879
37.5	4463	4467	4424	4341	4290	4257	4213	4152	4031	3799
40.0	4383	4390	4317	4236	4191	4139	4092	4049	3954	3723
42.5	4270	4266	4189	4105	4076	4028	3979	3930	3871	3644
45.0	4115	4110	4047	3955	3927	3891	3843	3788	3767	3541
47.5	3905	3884	3850	3794	3776	3751	3704	3630	3632	3404
50.0	3632	3616	3621	3616	3624	3632	3572	3457	3441	3249
52.5	3345	3339	3384	3426	3466	3503	3441	3283	3204	3064
55.0	3075	3076	3123	3203	3313	3373	3298	3093	2971	2869
57.5	2817	2803	2889	2992	3147	3241	3132	2890	2743	2657
60.0	2554	2561	2667	2767	2986	3083	2926	2662	2511	2431
62.5	2353	2372	2462	2551	2816	2872	2682	2398	2254	2173
65.0	2214	2230	2322	2366	2626	2580	2385	2106	1986	1903
67.5	2049	2065	2181	2212	2357	2240	2050	1799	1702	1629
70.0	1887	1926	2044	1997	2054	1883	1696	1483	1412	1369
72.5	1535	1608	1803	1705	1713	1479	1330	1173	1143	1118
75.0	908	980	1445	1315	1351	1095	995	883	881	880
77.5	579	635	1042	934	945	731	697	613	623	625
80.0	196	249	658	606	587	406	445	371	400	412
82.5	127	148	346	302	306	164	228	204	219	248
85.0	69	83	134	103	117	55	89	82	95	113
87.5	21	22	26	27	27	23	26	23	34	39
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	90	95	105	115	125	135	145	155	165	175
0.0	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220
2.5	4250	4231	4193	4178	4143	4110	4076	4051	4044	4059
5.0	4222	4185	4088	3981	3879	3792	3750	3699	3671	3663
7.5	4186	4120	3966	3779	3677	3586	3528	3478	3437	3420
10.0	4112	4035	3834	3631	3499	3394	3321	3252	3188	3139
12.5	4022	3943	3722	3501	3334	3201	3083	2995	2920	2879
15.0	3967	3874	3620	3386	3185	3001	2852	2746	2670	2634
17.5	3940	3816	3564	3270	3013	2786	2608	2507	2429	2398
20.0	3918	3775	3471	3140	2847	2574	2374	2272	2209	2175
22.5	3912	3735	3396	3029	2664	2353	2144	2034	1943	1884
25.0	3876	3682	3336	2922	2477	2146	1916	1765	1665	1623
27.5	3840	3630	3283	2757	2287	1939	1680	1512	1445	1413

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CANDELA TABULATION - (Cont.)

30.0	3796	3581	3175	2580	2112	1735	1467	1312	1248	1207
32.5	3743	3517	3023	2417	1917	1534	1274	1133	1063	1027
35.0	3673	3458	2884	2266	1743	1351	1107	978	911	886
37.5	3604	3370	2761	2125	1581	1191	964	851	802	787
40.0	3564	3295	2665	2020	1449	1054	848	753	725	718
42.5	3509	3211	2585	1965	1340	947	755	689	672	672
45.0	3425	3112	2555	1929	1263	863	690	641	633	636
47.5	3301	3031	2546	1887	1202	809	643	605	599	601
50.0	3145	2927	2526	1841	1170	777	614	571	564	565
52.5	2964	2807	2484	1802	1165	764	588	536	526	525
55.0	2790	2660	2400	1778	1172	756	559	495	488	485
57.5	2596	2501	2277	1763	1186	745	529	461	446	444
60.0	2383	2304	2156	1740	1189	731	500	425	407	401
62.5	2144	2082	1998	1684	1172	709	467	389	376	367
65.0	1884	1853	1809	1593	1134	683	433	360	347	339
67.5	1609	1594	1592	1454	1065	639	399	329	314	310
70.0	1351	1314	1364	1272	967	586	357	295	280	280
72.5	1098	1082	1137	1057	839	518	312	253	244	248
75.0	855	837	904	855	690	430	257	210	209	214
77.5	598	583	655	638	527	338	203	167	172	177
80.0	376	325	435	416	362	247	157	126	133	137
82.5	209	146	248	244	217	159	113	94	98	99
85.0	99	69	113	120	107	76	66	65	67	68
87.5	35	34	43	47	48	39	41	43	45	47
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**
	180
0.0	4220
2.5	4071
5.0	3694
7.5	3412
10.0	3142
12.5	2878
15.0	2637
17.5	2402
20.0	2179
22.5	1884
25.0	1619
27.5	1405
30.0	1196
32.5	1016
35.0	886
37.5	788
40.0	712
42.5	667
45.0	634
47.5	599
50.0	563
52.5	524
55.0	486
57.5	444
60.0	401
62.5	365
65.0	336

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CANDELA TABULATION - (Cont.)

67.5	308
70.0	280
72.5	249
75.0	214
77.5	174
80.0	133
82.5	99
85.0	68
87.5	46
90.0	0

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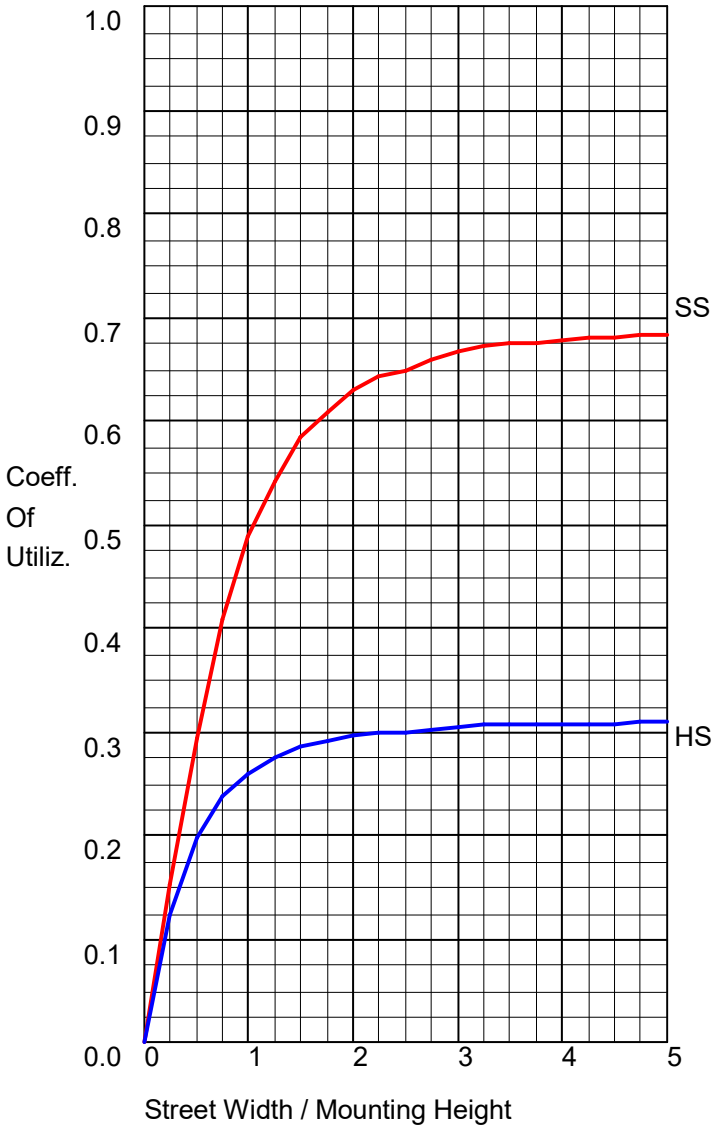
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	7892.2	68.8
Downward House Side	3576.2	31.2
Downward Total	11468.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	11468.4	100.0

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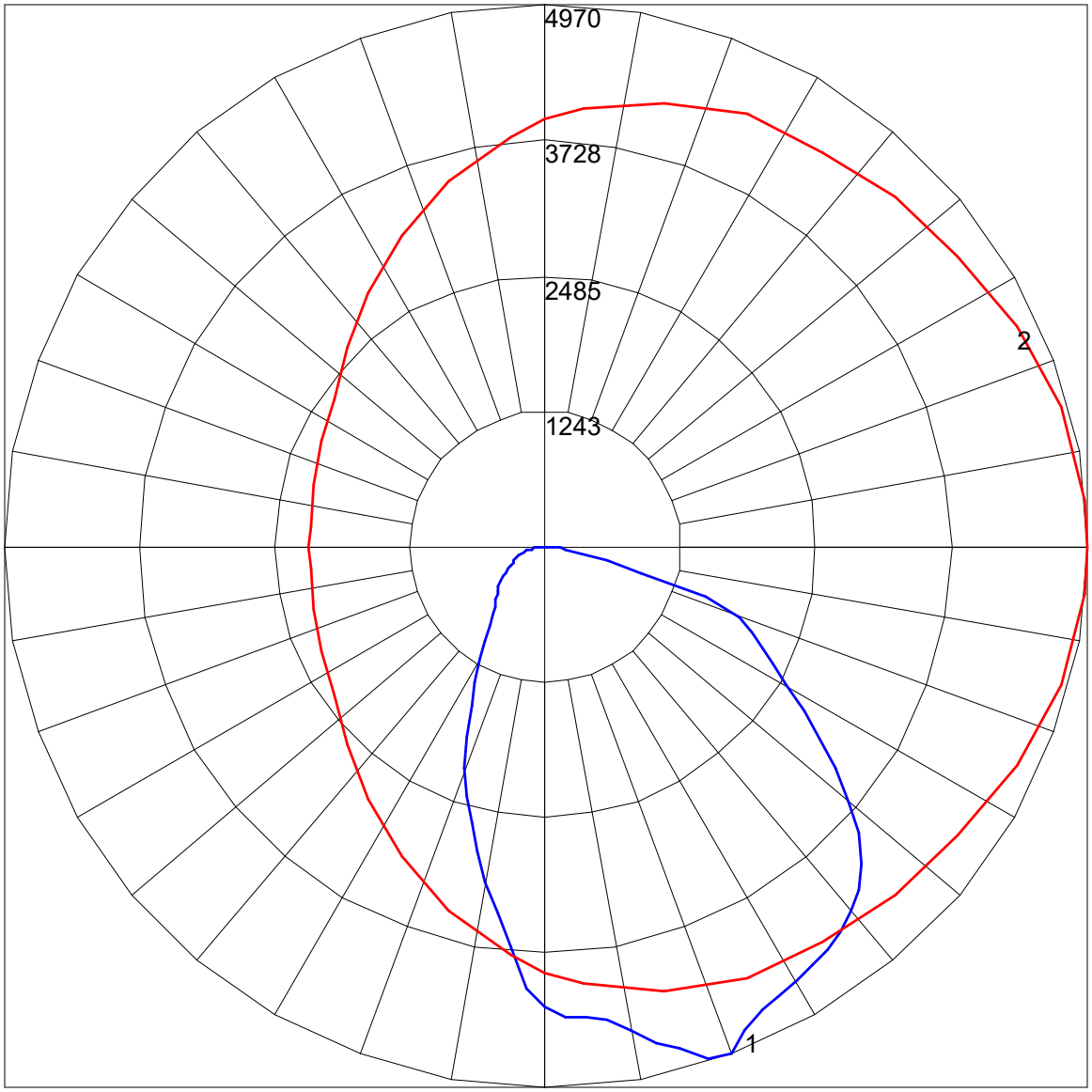
POLAR GRAPH



Maximum Candela = 4970 Located At Horizontal Angle = 0, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)

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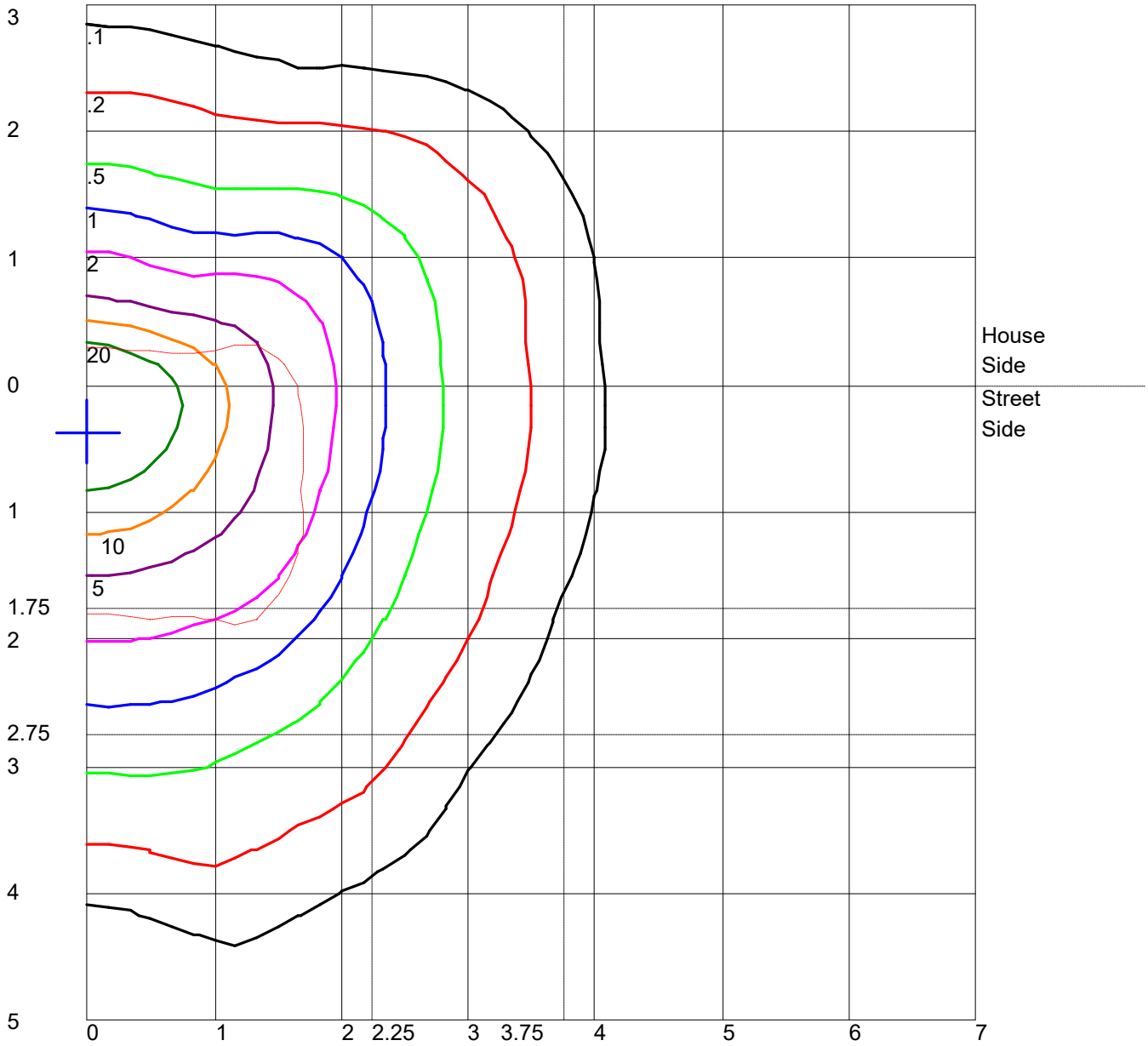
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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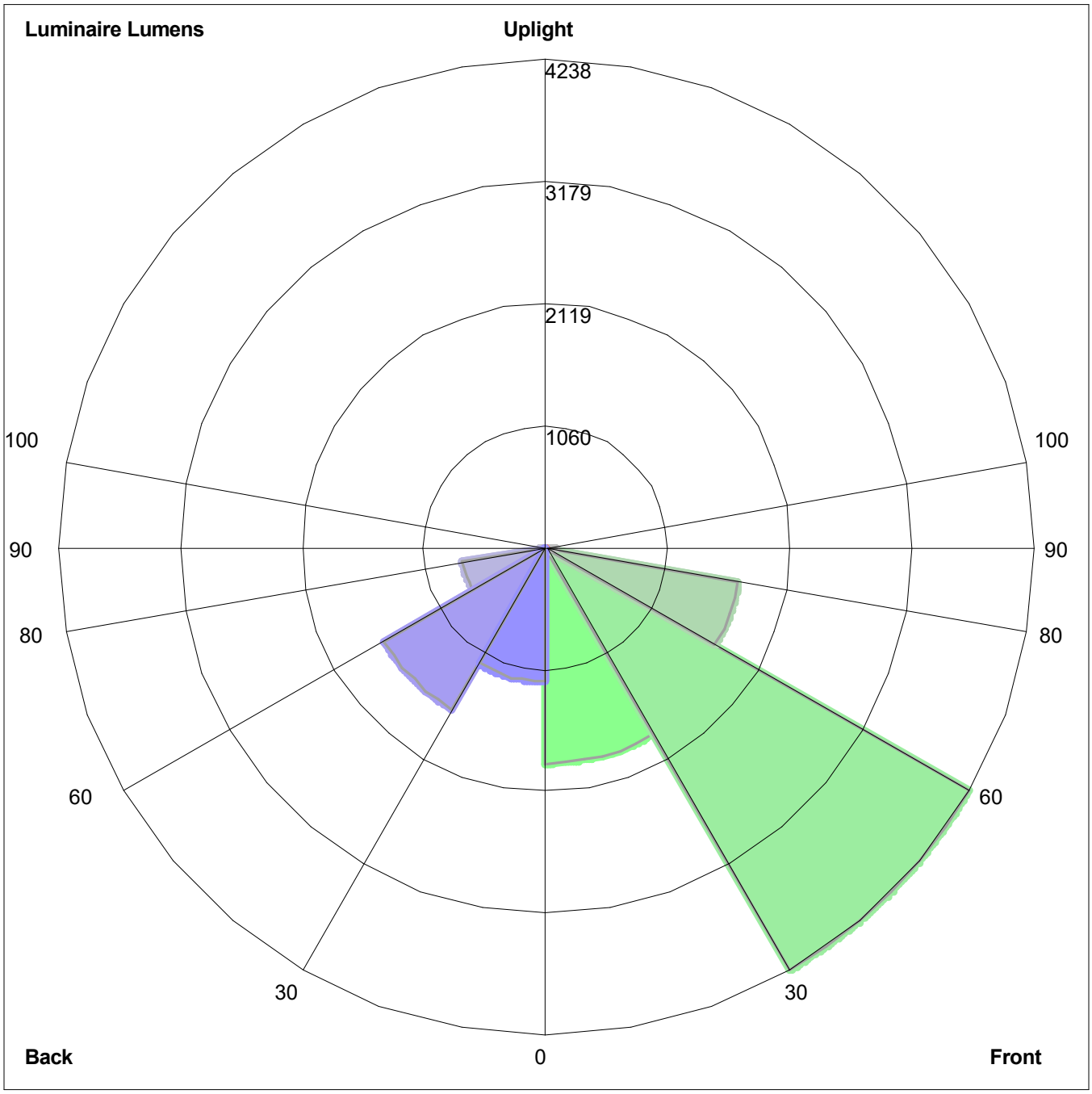
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1873.2, Medium=4238.1, High=1700.7, Very High=80.2
Back: Low=1166.2, Medium=1620.2, High=733.1, Very High=56.7
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2

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