IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-SS-40.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-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 III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11762
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	93
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5097
Maximum Candela Angle	0H 20V
Maximum Candela (<90 Degrees Vertical)	5097
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	675 (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)	1921.1	N.A.	16.3
FM - Front-Medium (30-60)	4346.5	N.A.	37.0
FH - Front-High (60-80)	1744.2	N.A.	14.8
FVH - Front-Very High (80-90)	82.3	N.A.	0.7
BL - Back-Low (0-30)	1196.0	N.A.	10.2
BM - Back-Medium (30-60)	1661.6	N.A.	14.1
BH - Back-High (60-80)	751.8	N.A.	6.4
BVH - Back-Very High (80-90)	58.1	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	11761.6	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	4328	4328	4328	4328	4328	4328	4328	4328	4328	4328
2.5	4437	4435	4432	4435	4437	4433	4420	4408	4379	4367
5.0	4466	4463	4453	4454	4456	4433	4427	4411	4385	4360
7.5	4510	4494	4483	4471	4471	4447	4418	4397	4354	4313
10.0	4634	4618	4589	4550	4517	4472	4418	4387	4320	4247
12.5	4784	4756	4729	4687	4618	4540	4450	4386	4304	4185
15.0	4886	4877	4830	4772	4698	4605	4507	4402	4317	4152
17.5	5058	5045	4976	4843	4729	4640	4531	4455	4332	4150
20.0	5097	5090	5034	4904	4748	4644	4538	4495	4335	4143
22.5	4922	4925	4885	4815	4735	4646	4553	4499	4328	4172
25.0	4826	4815	4796	4745	4703	4661	4567	4504	4338	4180
27.5	4771	4760	4739	4703	4676	4630	4556	4519	4346	4158
30.0	4732	4730	4696	4666	4632	4591	4528	4481	4322	4120
32.5	4693	4674	4655	4614	4572	4549	4490	4403	4282	4058
35.0	4646	4643	4610	4542	4490	4462	4436	4334	4214	3978
37.5	4577	4581	4537	4452	4400	4366	4321	4258	4134	3896
40.0	4495	4502	4427	4344	4298	4245	4197	4153	4055	3818
42.5	4379	4375	4296	4210	4180	4131	4081	4031	3970	3737
45.0	4220	4215	4150	4056	4028	3990	3941	3885	3863	3632
47.5	4005	3984	3948	3891	3873	3847	3799	3723	3725	3491
50.0	3725	3709	3713	3709	3717	3725	3663	3546	3529	3332
52.5	3430	3425	3471	3513	3555	3593	3529	3367	3286	3142
55.0	3153	3154	3202	3285	3398	3459	3382	3172	3047	2943
57.5	2889	2874	2963	3069	3228	3324	3212	2964	2813	2725
60.0	2620	2626	2735	2838	3062	3162	3000	2730	2575	2494
62.5	2414	2433	2525	2617	2888	2946	2750	2459	2312	2229
65.0	2270	2287	2382	2426	2694	2646	2446	2160	2037	1952
67.5	2101	2118	2237	2268	2418	2297	2103	1845	1745	1671
70.0	1936	1975	2096	2048	2107	1931	1739	1521	1448	1405
72.5	1574	1649	1849	1749	1757	1517	1364	1203	1173	1147
75.0	931	1005	1482	1349	1385	1123	1021	905	903	902
77.5	594	651	1069	958	969	749	715	628	639	641
80.0	201	255	675	621	602	417	456	381	410	422
82.5	130	152	355	310	314	168	234	210	224	254
85.0	71	86	138	106	120	57	91	84	97	115
87.5	21	22	27	28	28	23	27	24	35	40
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	4328	4328	4328	4328	4328	4328	4328	4328	4328	4328
2.5	4359	4340	4300	4285	4249	4215	4180	4155	4147	4163
5.0	4330	4292	4192	4083	3978	3889	3846	3794	3765	3757
7.5	4293	4225	4067	3876	3771	3678	3618	3567	3525	3507
10.0	4217	4139	3932	3724	3588	3481	3405	3335	3270	3219
12.5	4125	4044	3817	3590	3419	3283	3162	3072	2995	2952
15.0	4068	3973	3712	3473	3267	3077	2924	2817	2738	2701
17.5	4040	3913	3656	3354	3090	2857	2674	2571	2492	2460
20.0	4018	3872	3559	3221	2920	2640	2435	2330	2266	2231
22.5	4013	3831	3483	3106	2732	2413	2199	2086	1992	1932
25.0	3975	3776	3422	2997	2541	2201	1965	1810	1708	1664
27.5	3938	3723	3367	2827	2345	1988	1723	1551	1482	1449

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CANDELA TABULATION - (Cont.)

30.0	3893	3673	3256	2646	2166	1780	1505	1346	1279	1238
32.5	3838	3607	3101	2479	1966	1573	1306	1162	1090	1053
35.0	3767	3547	2958	2324	1787	1385	1135	1003	934	909
37.5	3696	3456	2832	2179	1622	1222	989	873	823	807
40.0	3656	3380	2733	2071	1486	1081	870	772	744	736
42.5	3599	3293	2651	2015	1375	972	774	707	689	689
45.0	3512	3192	2620	1978	1296	885	708	657	649	652
47.5	3385	3108	2611	1936	1232	830	660	620	615	617
50.0	3226	3002	2591	1888	1200	797	630	586	578	579
52.5	3040	2879	2547	1848	1195	783	603	549	540	539
55.0	2861	2728	2462	1823	1202	775	573	508	500	497
57.5	2663	2565	2335	1809	1216	764	543	473	457	455
60.0	2444	2363	2211	1785	1220	749	513	436	418	411
62.5	2199	2136	2049	1727	1202	727	479	399	386	376
65.0	1932	1900	1856	1633	1163	700	444	369	356	347
67.5	1650	1634	1633	1491	1092	655	409	338	322	317
70.0	1385	1348	1399	1304	992	601	367	303	288	287
72.5	1127	1110	1166	1084	860	531	320	260	250	254
75.0	877	858	927	877	708	441	264	215	215	219
77.5	614	598	671	654	541	346	208	171	176	182
80.0	386	334	446	426	371	253	161	129	137	140
82.5	215	150	254	250	222	164	116	96	101	102
85.0	102	71	115	123	110	78	67	66	68	70
87.5	36	35	44	48	49	40	42	44	46	48
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**
	180
0.0	4328
2.5	4175
5.0	3788
7.5	3500
10.0	3223
12.5	2951
15.0	2704
17.5	2464
20.0	2235
22.5	1933
25.0	1660
27.5	1441
30.0	1227
32.5	1042
35.0	909
37.5	808
40.0	730
42.5	684
45.0	650
47.5	615
50.0	577
52.5	538
55.0	498
57.5	455
60.0	411
62.5	374
65.0	344

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CANDELA TABULATION - (Cont.)

67.5	316
70.0	287
72.5	255
75.0	219
77.5	178
80.0	137
82.5	102
85.0	70
87.5	47
90.0	0

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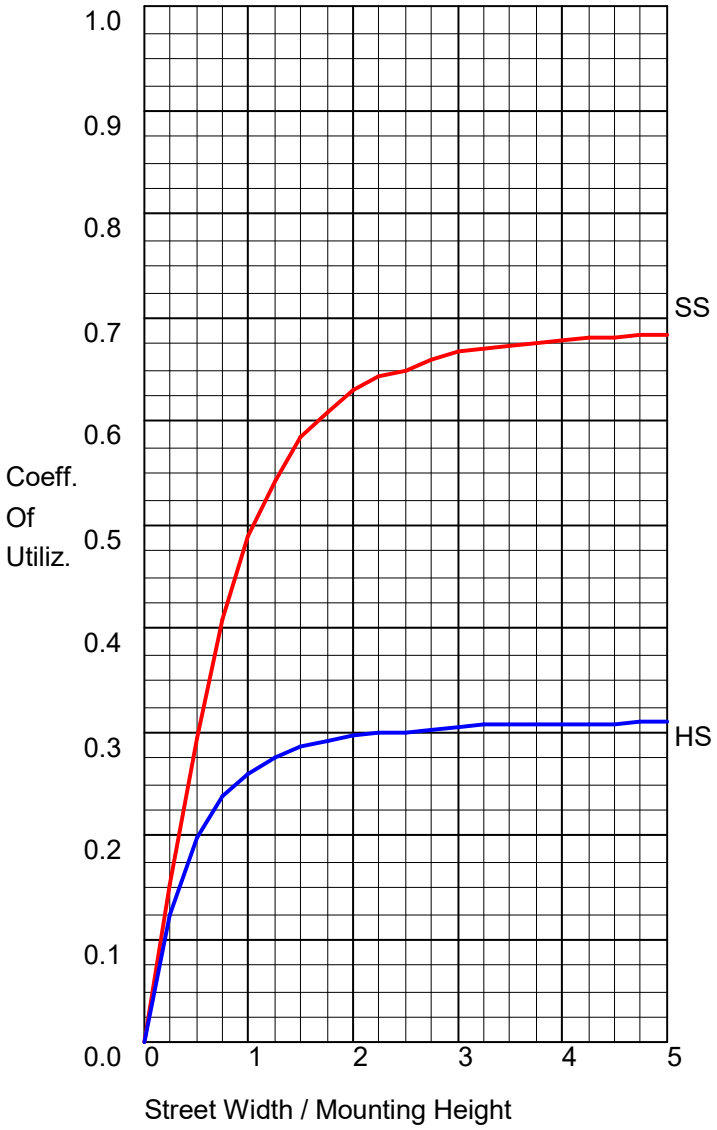
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	8094.2	68.8
Downward House Side	3667.6	31.2
Downward Total	11761.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	11761.8	100.0

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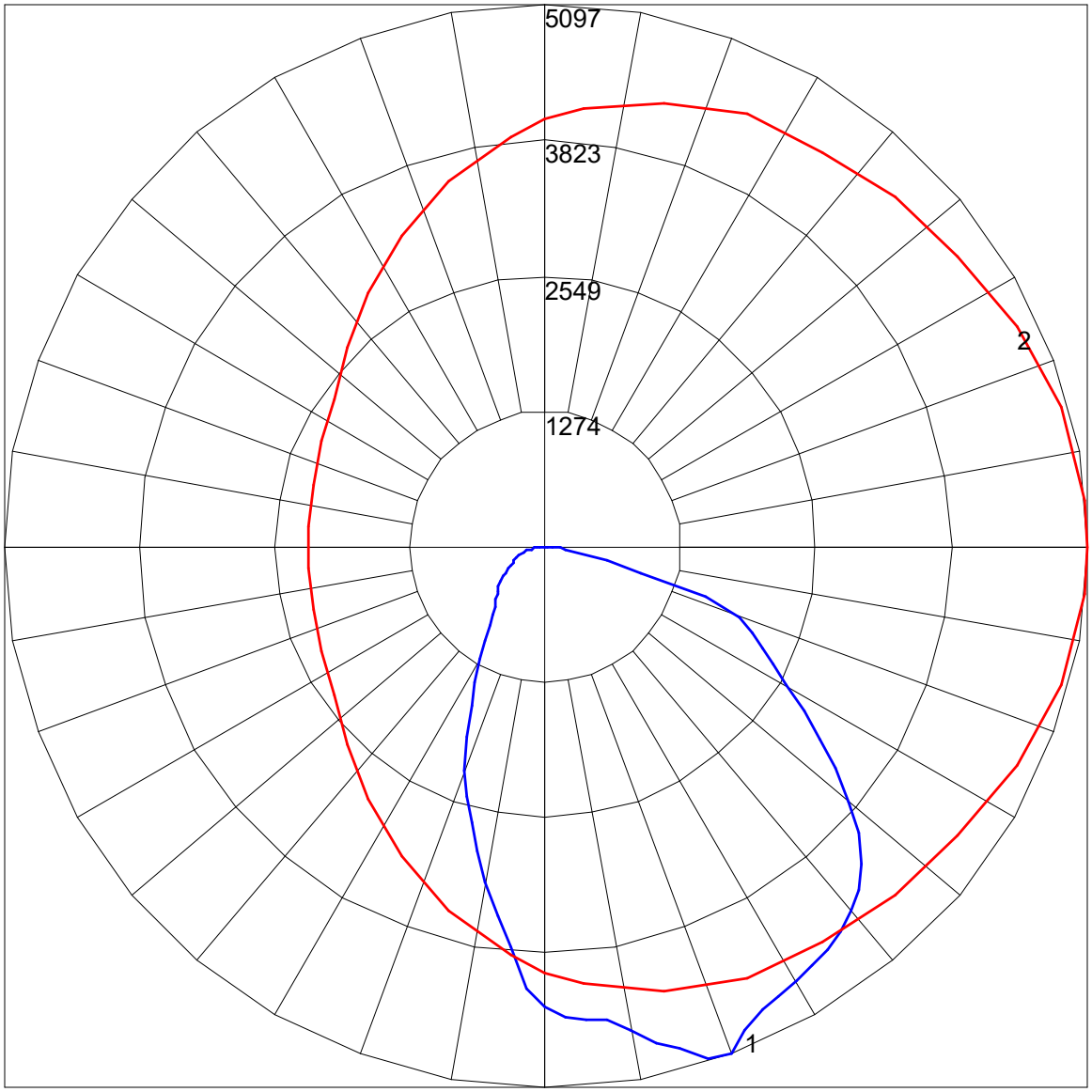
POLAR GRAPH



Maximum Candela = 5097 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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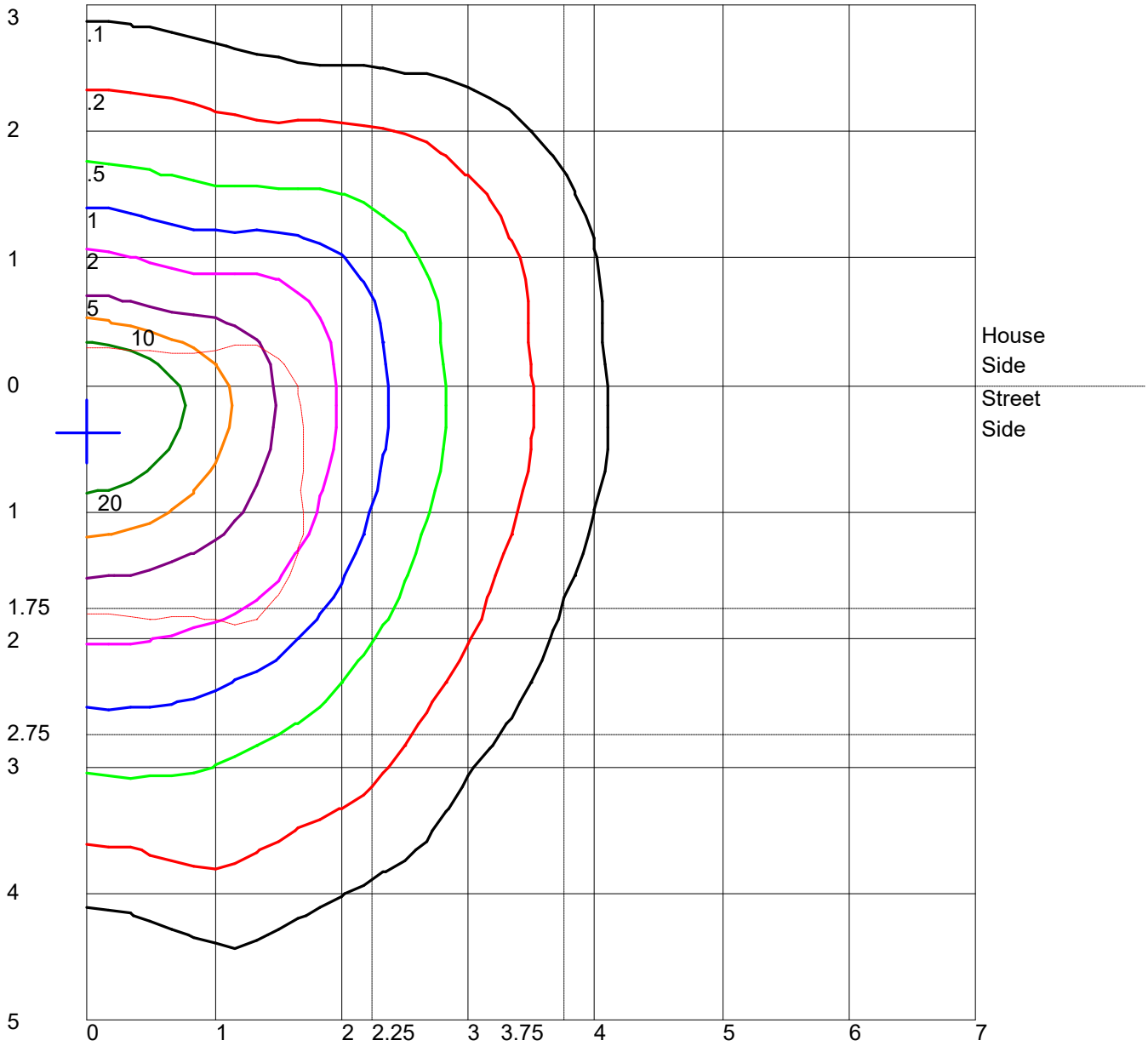
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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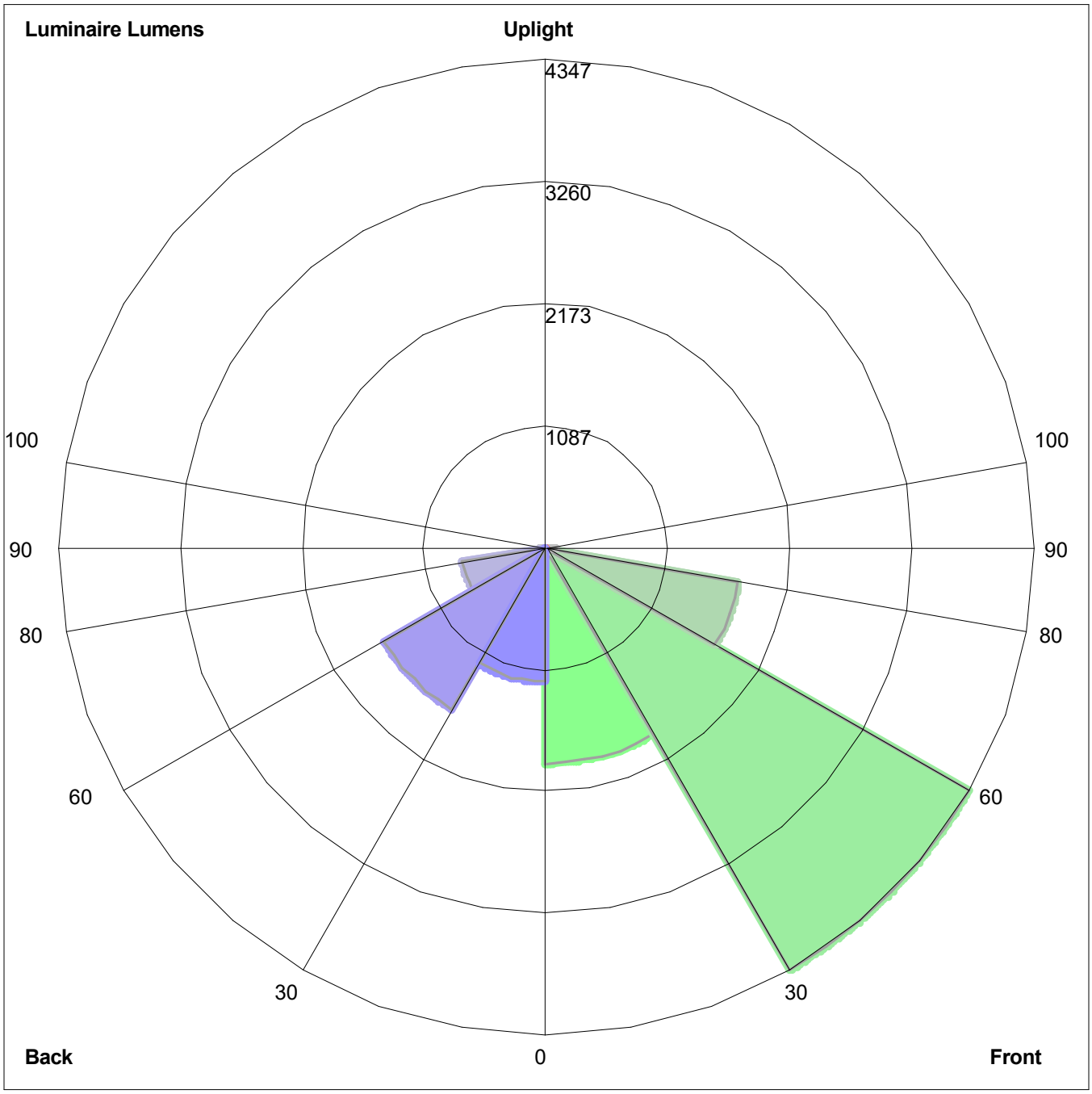
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1921.1, Medium=4346.5, High=1744.2, Very High=82.3
Back: Low= 1196.0, Medium=1661.6, High=751.8, Very High=58.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2

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