IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-VLW-30.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_SM-AC-VLW-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 II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7681
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4072
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	4072
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	795 (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)	1315.3	N.A.	17.1
FM - Front-Medium (30-60)	2997.0	N.A.	39.0
FH - Front-High (60-80)	1314.4	N.A.	17.1
FVH - Front-Very High (80-90)	93.4	N.A.	1.2
BL - Back-Low (0-30)	609.4	N.A.	7.9
BM - Back-Medium (30-60)	857.2	N.A.	11.2
BH - Back-High (60-80)	454.8	N.A.	5.9
BVH - Back-Very High (80-90)	39.6	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	7681.1	N.A.	100.0
BUG Rating	B2-U0-G1		

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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	3175	3175	3175	3175	3175	3175	3175	3175	3175	3175
2.5	3195	3179	3184	3193	3192	3185	3198	3198	3198	3200
5.0	3083	3074	3064	3076	3097	3097	3123	3139	3134	3157
7.5	2925	2921	2914	2928	2954	2980	3007	3028	3043	3049
10.0	2868	2881	2873	2876	2857	2860	2880	2917	2948	2905
12.5	3089	3070	3064	3028	2969	2879	2863	2824	2852	2837
15.0	3276	3280	3267	3238	3175	3041	2929	2888	2757	2795
17.5	3508	3501	3507	3472	3354	3188	3036	3002	2794	2795
20.0	3757	3746	3754	3709	3559	3320	3104	3011	2936	2771
22.5	4051	4050	4040	3940	3697	3381	3146	3002	3065	2725
25.0	4050	4072	4062	4031	3743	3334	3129	2992	3154	2686
27.5	3618	3620	3629	3660	3531	3276	3160	3012	3081	2679
30.0	3342	3333	3331	3307	3269	3206	3185	3052	3054	2703
32.5	3240	3244	3224	3200	3168	3137	3113	3060	3219	2716
35.0	3191	3187	3188	3155	3117	3086	3064	3002	3151	2764
37.5	3140	3125	3137	3117	3060	3022	3029	2993	2993	2828
40.0	3076	3060	3064	3030	2988	2951	2959	2996	2877	2796
42.5	2993	2982	2977	2952	2897	2867	2867	2936	2856	2713
45.0	2870	2857	2863	2831	2809	2776	2763	2803	2796	2577
47.5	2727	2734	2724	2707	2705	2685	2662	2656	2684	2532
50.0	2550	2555	2551	2552	2574	2570	2552	2523	2596	2499
52.5	2329	2331	2337	2389	2449	2439	2434	2421	2417	2481
55.0	2123	2133	2126	2195	2294	2309	2336	2326	2264	2357
57.5	1938	1945	1946	2004	2134	2188	2251	2224	2118	2080
60.0	1755	1753	1766	1834	1990	2087	2172	2116	1964	1837
62.5	1601	1601	1610	1662	1823	1994	2080	1963	1817	1642
65.0	1515	1509	1522	1588	1682	1887	1961	1801	1643	1421
67.5	1340	1366	1389	1584	1613	1791	1814	1579	1422	1239
70.0	1022	1039	1067	1585	1571	1702	1611	1347	1220	1074
72.5	843	850	876	1536	1499	1524	1394	1125	998	906
75.0	608	619	636	1397	1345	1251	1093	898	764	727
77.5	274	273	300	979	1081	1016	722	657	557	515
80.0	204	208	221	650	795	752	496	413	358	324
82.5	174	175	189	446	463	375	295	180	206	174
85.0	113	119	129	227	184	134	132	71	95	84
87.5	36	39	41	63	58	52	43	33	35	35
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	3175	3175	3175	3175	3175	3175	3175	3175	3175	3175
2.5	3185	3198	3185	3185	3177	3175	3142	3132	3137	3110
5.0	3150	3155	3149	3116	3075	2992	2898	2810	2686	2650
7.5	3042	3050	3036	2975	2863	2661	2415	2170	2017	1950
10.0	2883	2887	2854	2768	2557	2223	1915	1683	1586	1544
12.5	2701	2686	2655	2494	2212	1823	1548	1443	1388	1350
15.0	2548	2480	2444	2243	1894	1540	1356	1276	1232	1197
17.5	2486	2333	2280	2058	1642	1377	1214	1135	1091	1054
20.0	2534	2301	2158	1926	1513	1277	1093	1007	961	937
22.5	2616	2295	2089	1906	1428	1154	976	881	847	836
25.0	2640	2281	2065	1814	1292	1041	860	766	756	764
27.5	2656	2328	2058	1679	1203	948	751	669	680	689

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CANDELA TABULATION - (Cont.)

30.0	2732	2390	2007	1584	1196	840	651	581	590	582
32.5	2786	2362	1949	1618	1158	751	567	498	500	500
35.0	2734	2307	1910	1631	1044	683	502	434	439	470
37.5	2591	2221	1885	1500	934	637	456	395	406	456
40.0	2499	2160	1899	1361	867	592	430	375	386	430
42.5	2420	2118	1877	1292	836	552	412	361	365	389
45.0	2358	2105	1838	1270	828	530	399	347	343	351
47.5	2332	2160	1834	1294	883	529	390	333	322	323
50.0	2273	2188	1839	1359	955	552	385	317	300	303
52.5	2184	2120	1796	1438	995	579	381	303	283	283
55.0	2021	1984	1731	1476	1019	595	378	290	265	265
57.5	1868	1798	1624	1472	1026	609	376	277	249	244
60.0	1740	1642	1510	1443	1004	616	375	263	228	221
62.5	1560	1484	1392	1350	967	610	369	248	211	210
65.0	1351	1305	1259	1203	919	590	348	235	196	197
67.5	1167	1132	1116	1068	855	547	320	217	183	184
70.0	1017	981	969	968	771	499	294	201	169	170
72.5	857	807	810	824	668	454	267	179	151	156
75.0	695	642	633	640	536	393	236	160	131	133
77.5	487	425	438	465	369	337	200	134	116	118
80.0	307	226	238	295	254	238	152	109	93	98
82.5	191	143	106	173	162	130	71	79	73	78
85.0	91	76	55	81	83	67	47	55	53	56
87.5	38	36	34	38	36	38	35	37	37	38
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	3175	3175
2.5	3122	3106
5.0	2616	2604
7.5	1899	1884
10.0	1522	1510
12.5	1340	1334
15.0	1174	1177
17.5	1035	1026
20.0	914	911
22.5	822	821
25.0	759	758
27.5	668	663
30.0	557	553
32.5	500	501
35.0	488	492
37.5	474	476
40.0	440	438
42.5	390	386
45.0	349	346
47.5	325	322
50.0	304	304
52.5	284	280
55.0	264	262
57.5	236	233
60.0	214	212
62.5	211	208
65.0	207	204

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CANDELA TABULATION - (Cont.)

67.5	189	187
70.0	171	163
72.5	151	143
75.0	126	116
77.5	100	90
80.0	85	76
82.5	76	68
85.0	57	52
87.5	38	37
90.0	0	0

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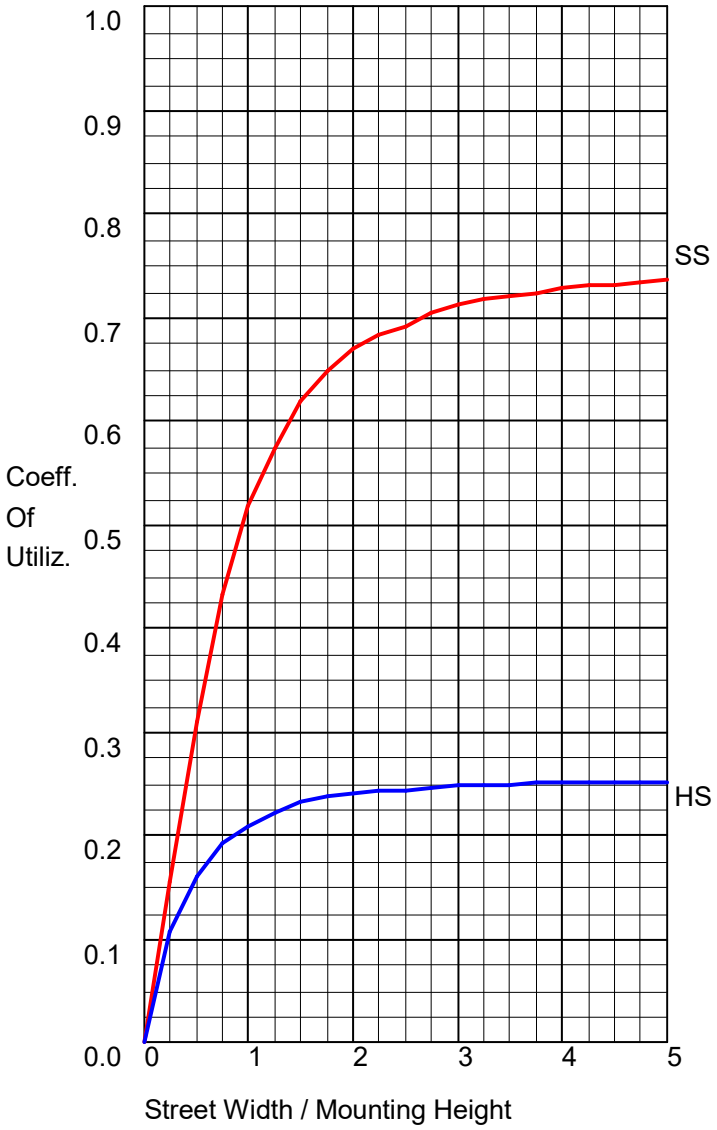
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	5720.1	74.5
Downward House Side	1961.0	25.5
Downward Total	7681.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7681.1	100.0

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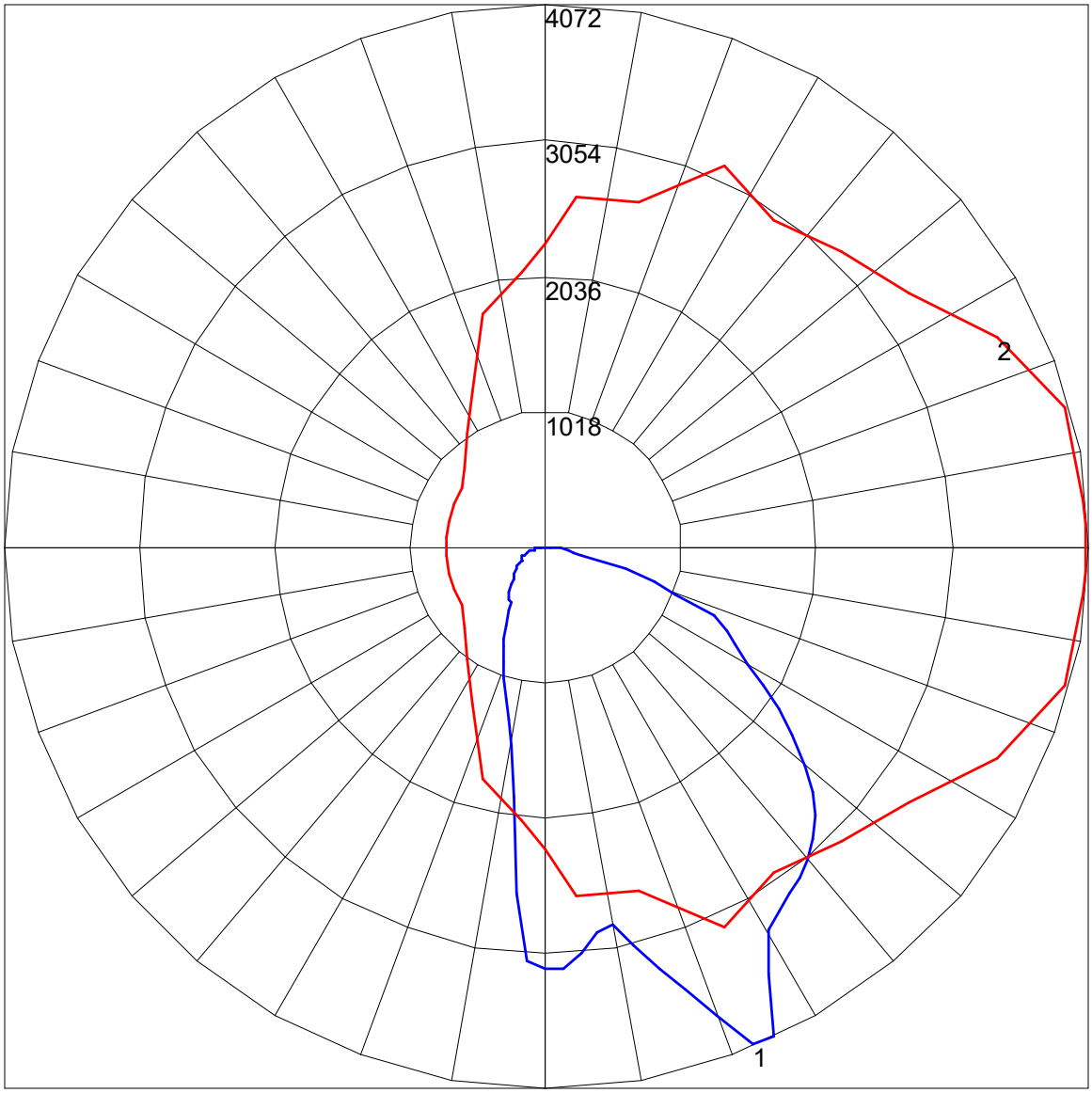
POLAR GRAPH



Maximum Candela = 4072 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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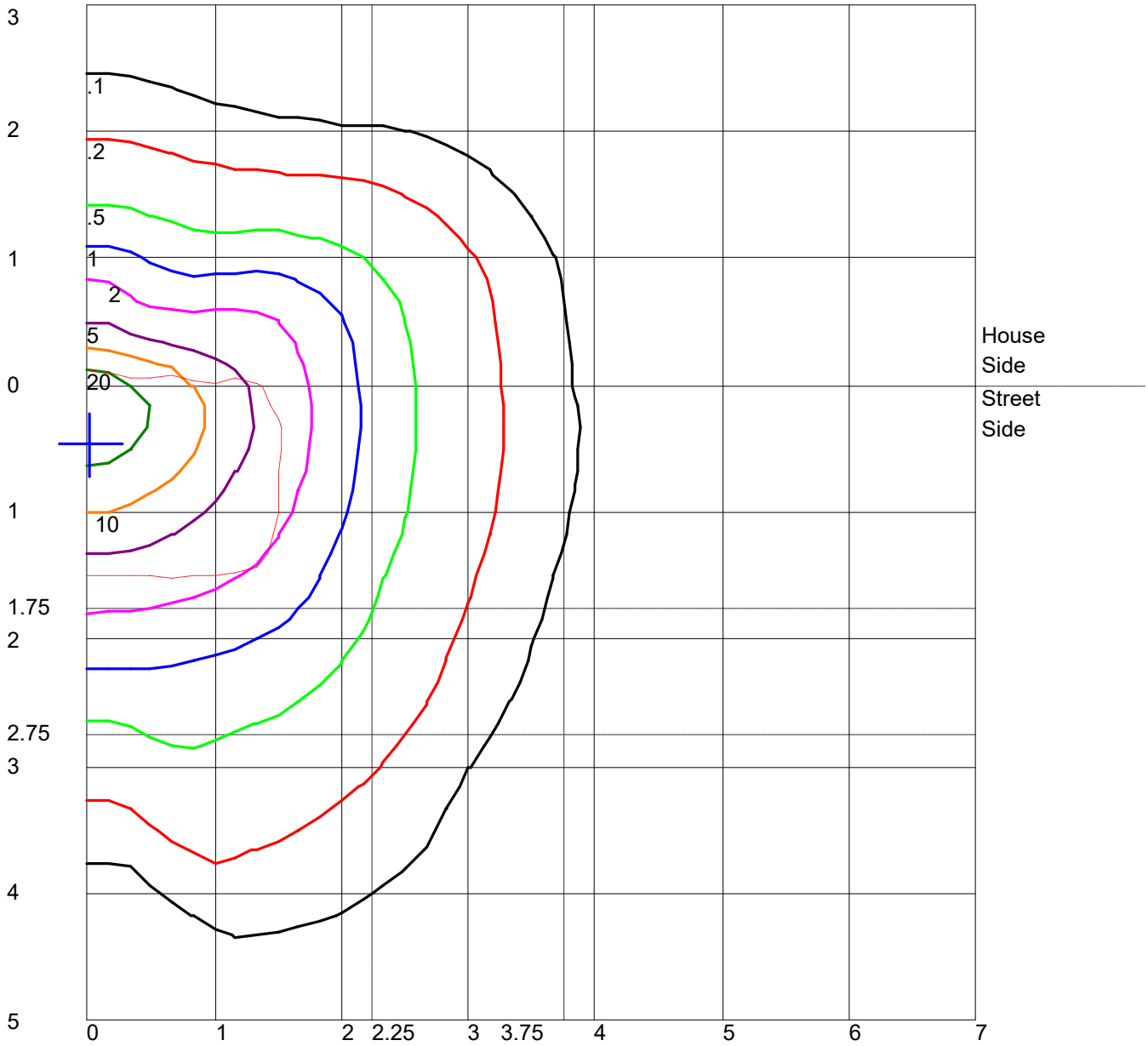
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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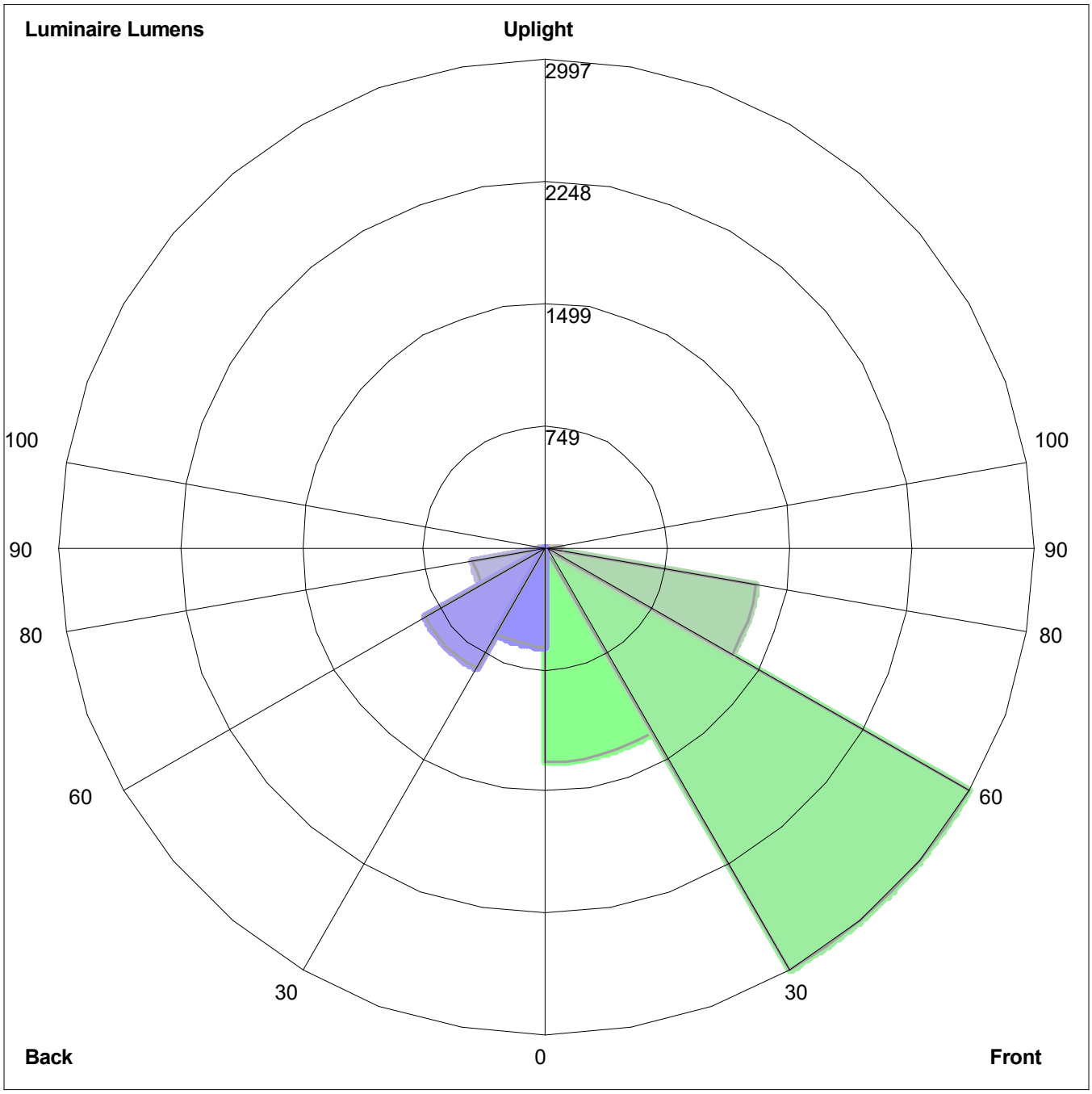
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1315.3, Medium= 2997.0, High=1314.4, Very High=93.4
Back: Low=609.4, Medium=857.2, High=454.8, Very High=39.6
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1

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