IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-LW-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-AC-LW-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	9145
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	73
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4849
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	4849
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	947 (10.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-LW-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1565.9	N.A.	17.1
FM - Front-Medium (30-60)	3568.0	N.A.	39.0
FH - Front-High (60-80)	1564.9	N.A.	17.1
FVH - Front-Very High (80-90)	111.2	N.A.	1.2
BL - Back-Low (0-30)	725.4	N.A.	7.9
BM - Back-Medium (30-60)	1020.5	N.A.	11.2
BH - Back-High (60-80)	541.5	N.A.	5.9
BVH - Back-Very High (80-90)	47.2	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	9144.6	N.A.	100.0
BUG Rating	B2-U0-G2		

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-LW-30.IES

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	3779	3779	3779	3779	3779	3779	3779	3779	3779	3779
2.5	3804	3785	3790	3802	3800	3791	3807	3806	3807	3810
5.0	3670	3659	3647	3662	3687	3687	3717	3736	3731	3759
7.5	3482	3477	3469	3487	3516	3548	3580	3605	3623	3630
10.0	3414	3429	3420	3424	3402	3405	3428	3472	3510	3458
12.5	3678	3655	3648	3605	3533	3427	3408	3362	3396	3378
15.0	3900	3905	3890	3855	3779	3621	3487	3438	3282	3328
17.5	4176	4168	4175	4133	3993	3795	3615	3573	3326	3328
20.0	4472	4460	4469	4415	4236	3952	3695	3584	3495	3299
22.5	4823	4821	4809	4690	4401	4025	3745	3574	3650	3244
25.0	4821	4849	4836	4799	4456	3969	3726	3563	3756	3199
27.5	4307	4309	4320	4357	4203	3901	3762	3585	3669	3189
30.0	3979	3968	3965	3938	3892	3817	3792	3633	3636	3218
32.5	3857	3862	3838	3808	3771	3734	3706	3642	3833	3234
35.0	3799	3795	3796	3757	3712	3674	3648	3574	3751	3291
37.5	3739	3721	3734	3711	3642	3598	3606	3563	3563	3367
40.0	3661	3642	3647	3607	3558	3514	3523	3566	3425	3329
42.5	3563	3549	3545	3514	3449	3414	3413	3495	3400	3229
45.0	3417	3402	3408	3370	3345	3304	3290	3337	3329	3067
47.5	3246	3255	3243	3222	3220	3196	3170	3163	3194	3015
50.0	3036	3042	3037	3038	3064	3060	3038	3003	3091	2975
52.5	2774	2775	2783	2844	2916	2903	2898	2882	2878	2954
55.0	2527	2539	2532	2613	2731	2749	2780	2770	2696	2806
57.5	2307	2317	2318	2385	2540	2606	2680	2648	2521	2476
60.0	2090	2087	2103	2183	2369	2485	2586	2519	2338	2186
62.5	1906	1906	1915	1978	2171	2374	2476	2337	2163	1954
65.0	1804	1797	1812	1891	2003	2247	2335	2143	1957	1691
67.5	1596	1626	1655	1886	1920	2132	2160	1880	1693	1475
70.0	1217	1237	1270	1887	1870	2026	1917	1603	1453	1278
72.5	1004	1012	1043	1829	1785	1815	1659	1339	1188	1079
75.0	723	737	757	1663	1601	1490	1301	1069	911	866
77.5	326	325	356	1166	1287	1209	860	781	663	613
80.0	243	248	264	774	947	896	591	492	427	385
82.5	207	209	226	531	552	446	351	215	246	208
85.0	135	143	153	270	219	160	158	84	113	100
87.5	42	48	50	75	68	61	52	39	41	41
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	3779	3779	3779	3779	3779	3779	3779	3779	3779	3779
2.5	3791	3807	3792	3790	3782	3780	3742	3729	3734	3703
5.0	3750	3757	3749	3710	3660	3563	3450	3346	3198	3154
7.5	3622	3632	3614	3542	3409	3169	2876	2583	2400	2322
10.0	3433	3437	3398	3295	3045	2647	2280	2004	1888	1838
12.5	3215	3199	3160	2969	2633	2171	1842	1717	1653	1607
15.0	3033	2953	2910	2670	2255	1834	1614	1519	1466	1426
17.5	2959	2777	2715	2450	1955	1640	1445	1351	1299	1255
20.0	3018	2740	2569	2292	1802	1520	1301	1199	1144	1116
22.5	3114	2732	2487	2269	1700	1373	1163	1049	1008	994
25.0	3143	2716	2458	2160	1537	1240	1024	913	900	910
27.5	3163	2772	2449	1999	1433	1128	894	796	810	821

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

30.0	3253	2845	2390	1886	1424	1000	775	691	703	694
32.5	3317	2811	2321	1927	1380	895	674	593	596	596
35.0	3256	2746	2274	1942	1243	813	598	518	522	560
37.5	3084	2644	2245	1785	1112	759	542	471	483	543
40.0	2975	2572	2260	1621	1032	704	511	446	461	511
42.5	2881	2521	2234	1537	994	658	491	430	435	463
45.0	2807	2505	2187	1512	986	630	475	414	408	417
47.5	2776	2572	2183	1541	1051	630	464	397	383	384
50.0	2706	2606	2189	1618	1137	658	458	378	356	361
52.5	2599	2523	2139	1712	1186	689	454	361	337	338
55.0	2407	2362	2060	1758	1213	708	449	345	316	316
57.5	2224	2141	1933	1752	1221	725	447	329	295	290
60.0	2071	1955	1798	1717	1195	734	446	313	271	264
62.5	1857	1766	1657	1608	1152	726	438	295	251	250
65.0	1609	1553	1499	1431	1095	703	415	279	234	235
67.5	1389	1348	1328	1272	1018	651	381	258	218	219
70.0	1211	1169	1154	1152	918	594	350	239	201	203
72.5	1021	960	965	980	794	540	319	213	179	186
75.0	827	764	754	763	638	468	281	191	157	159
77.5	580	506	522	554	439	401	237	159	139	141
80.0	365	269	283	351	302	283	181	130	111	117
82.5	227	170	127	205	194	155	85	94	87	93
85.0	109	91	67	96	99	80	56	66	63	68
87.5	44	42	40	45	42	45	41	44	44	45
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	3779	3779
2.5	3716	3697
5.0	3115	3099
7.5	2262	2243
10.0	1812	1798
12.5	1596	1588
15.0	1399	1401
17.5	1232	1221
20.0	1087	1084
22.5	978	976
25.0	903	902
27.5	794	789
30.0	663	658
32.5	596	596
35.0	582	585
37.5	564	567
40.0	524	522
42.5	464	461
45.0	416	412
47.5	386	383
50.0	362	361
52.5	339	334
55.0	314	311
57.5	281	277
60.0	254	252
62.5	251	249
65.0	247	243

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

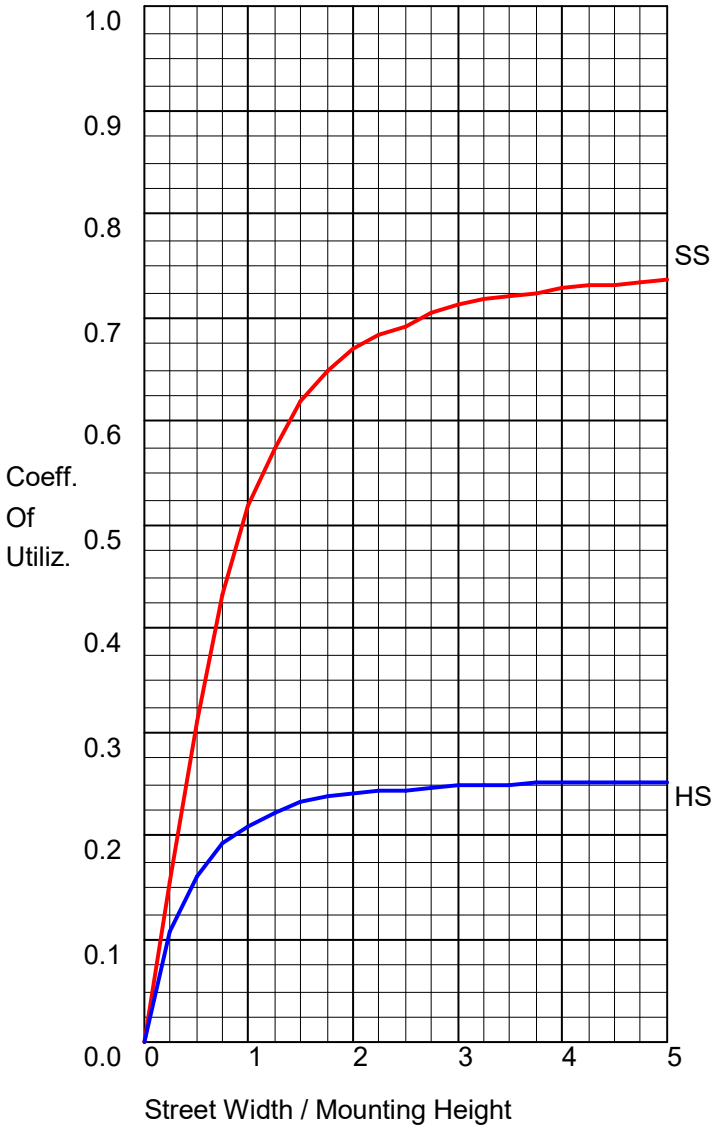
CANDELA TABULATION - (Cont.)

67.5	226	222
70.0	204	195
72.5	179	170
75.0	149	139
77.5	120	108
80.0	101	90
82.5	91	82
85.0	68	62
87.5	46	43
90.0	0	0

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-LW-30.IES

COEFFICIENTS OF UTILIZATION



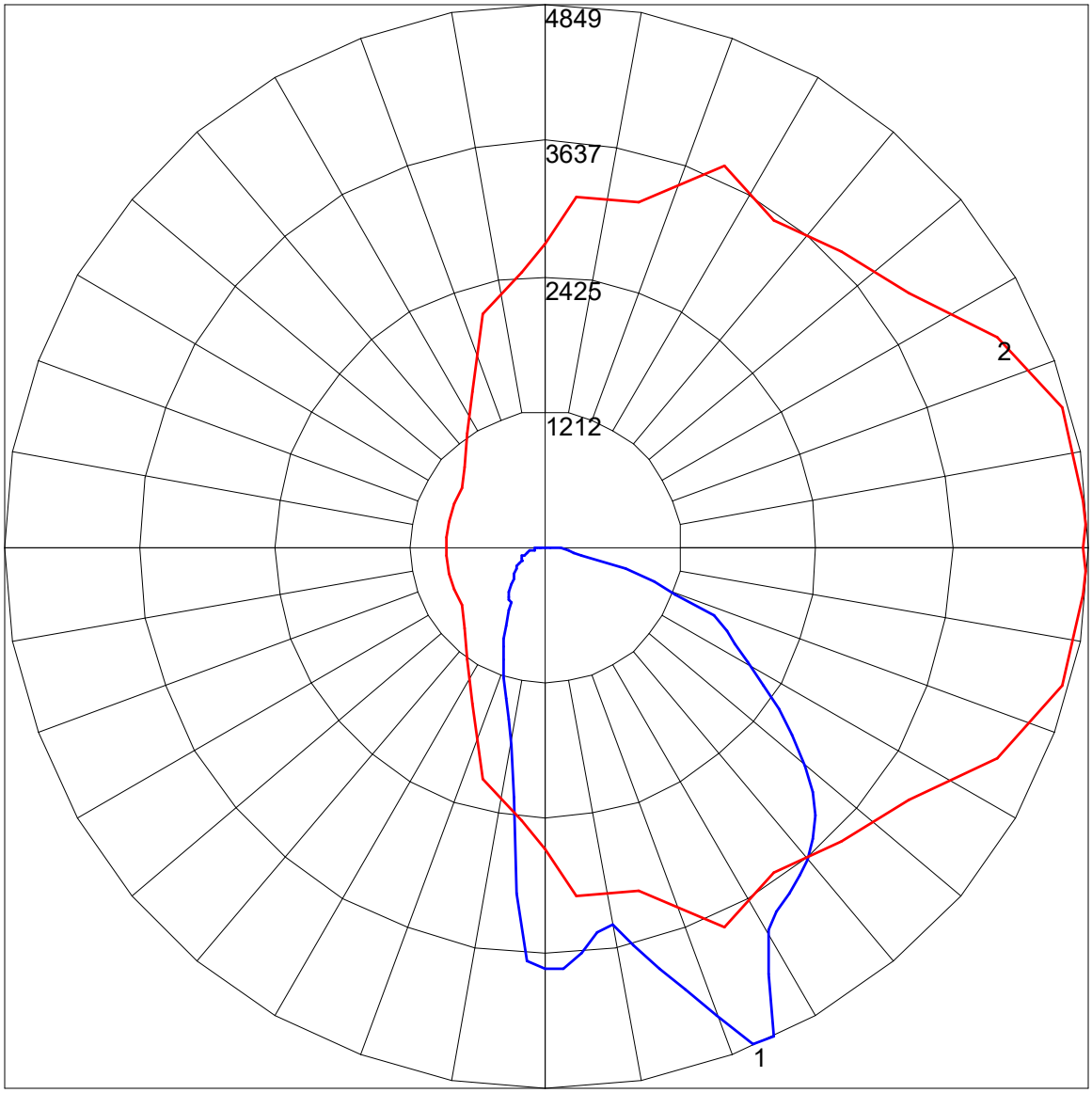
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	6809.9	74.5
Downward House Side	2334.6	25.5
Downward Total	9144.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9144.5	100.0

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-LW-30.IES

POLAR GRAPH

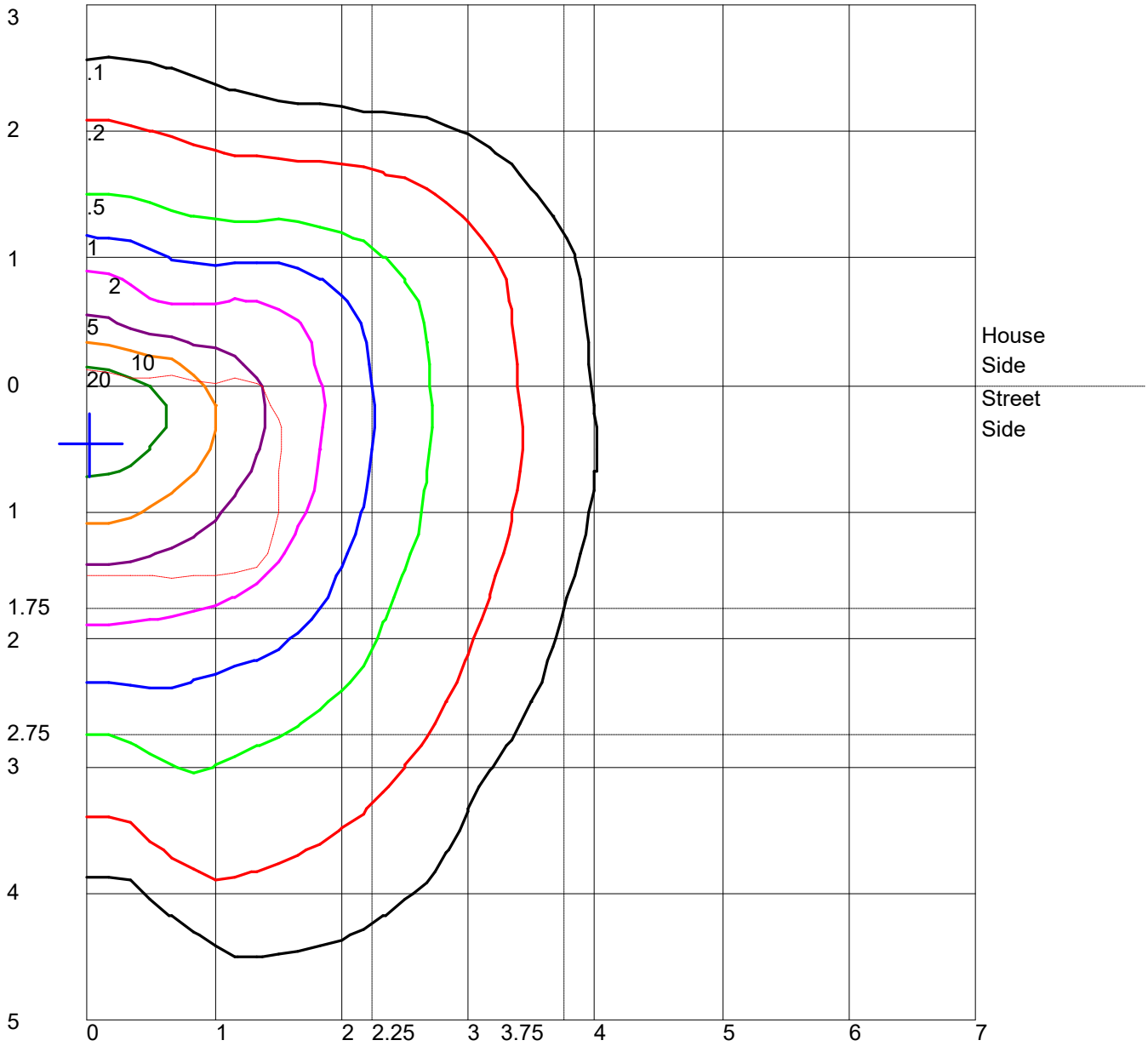


Maximum Candela = 4849 Located At Horizontal Angle = 2.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (2.5 - 182.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-LW-30.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

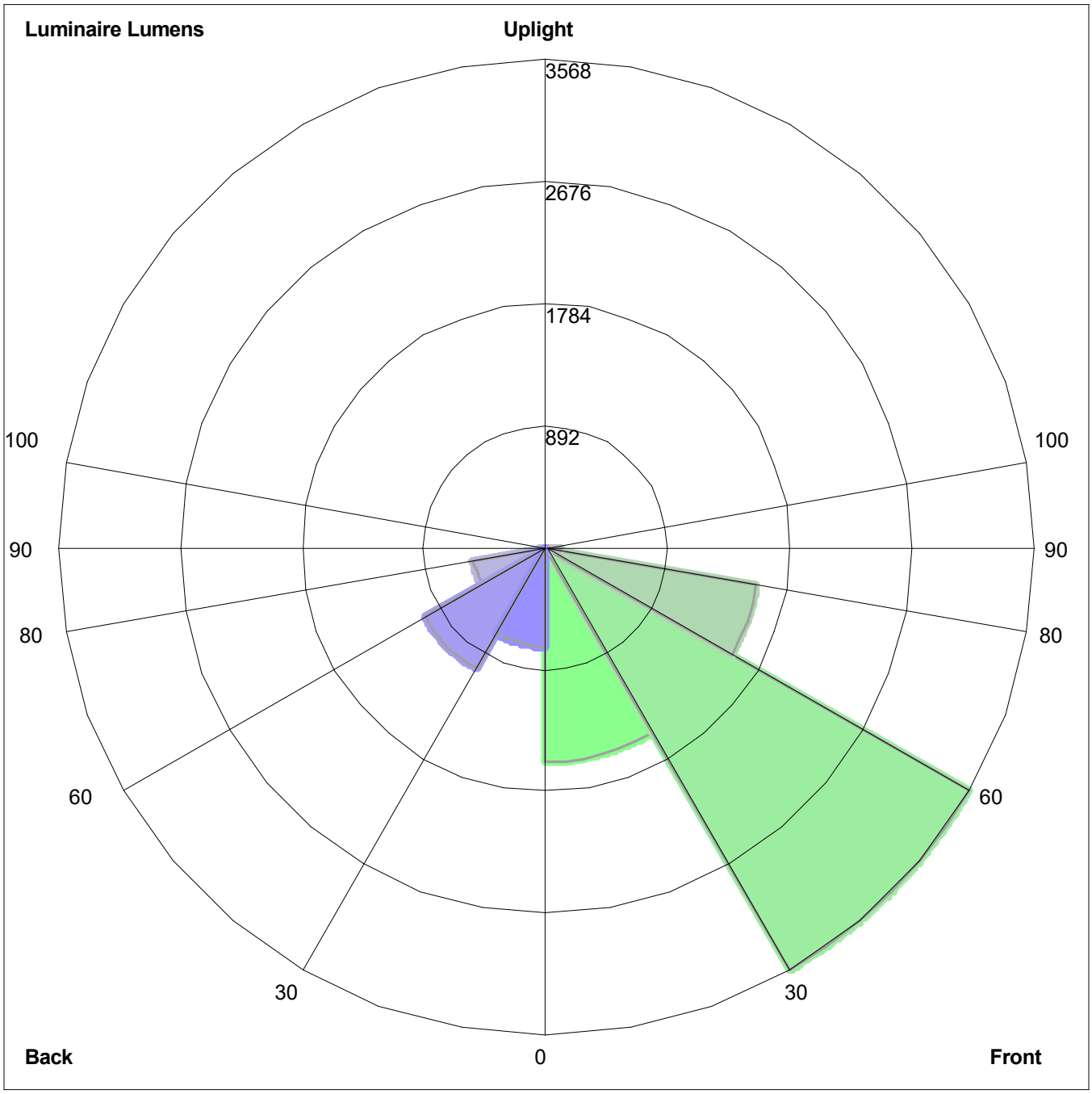


Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-LW-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1565.9, Medium= 3568.0, High=1564.9, Very High=111.2
Back: Low=725.4, Medium=1020.5, High=541.5, Very High=47.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.