IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-SC-LW-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12153
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/18/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS-SC-LW-50
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11148
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	73
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3615
Maximum Candela Angle	90H 7.5V
Maximum Candela (<90 Degrees Vertical)	3615
Maximum Candela Angle (<90 Degrees Vertical)	90H 7.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	300 (2.7% 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-SC-LW-50.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1456.9	N.A.	13.1
FM - Front-Medium (30-60)	3006.3	N.A.	27.0
FH - Front-High (60-80)	1053.9	N.A.	9.5
FVH - Front-Very High (80-90)	57.0	N.A.	0.5
BL - Back-Low (0-30)	1456.9	N.A.	13.1
BM - Back-Medium (30-60)	3006.3	N.A.	27.0
BH - Back-High (60-80)	1053.9	N.A.	9.5
BVH - Back-Very High (80-90)	57.0	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	11148.2	N.A.	100.0
BUG Rating	B3-U0-G1		

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-SC-LW-50.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	3570	3570	3570	3570	3570	3570	3570	3570	3570	3570
2.5	3541	3577	3589	3559	3580	3572	3573	3551	3583	3556
5.0	3612	3576	3579	3572	3592	3572	3585	3592	3569	3588
7.5	3544	3571	3577	3584	3589	3565	3575	3588	3575	3570
10.0	3589	3545	3556	3553	3581	3558	3548	3550	3559	3575
12.5	3528	3567	3570	3560	3529	3538	3566	3567	3572	3531
15.0	3543	3535	3533	3534	3552	3523	3501	3522	3504	3519
17.5	3495	3490	3524	3507	3522	3510	3542	3513	3521	3511
20.0	3479	3498	3487	3497	3487	3476	3453	3514	3494	3489
22.5	3466	3449	3445	3447	3454	3463	3469	3429	3427	3435
25.0	3392	3398	3410	3417	3405	3414	3396	3401	3411	3434
27.5	3363	3380	3376	3368	3372	3360	3363	3366	3362	3349
30.0	3303	3280	3289	3280	3304	3297	3308	3303	3293	3317
32.5	3210	3245	3229	3242	3227	3250	3209	3229	3236	3201
35.0	3172	3148	3148	3155	3156	3138	3157	3156	3149	3144
37.5	3049	3051	3060	3049	3063	3068	3060	3059	3048	3059
40.0	2961	2957	2970	2964	2992	2968	2952	2954	2952	2971
42.5	2827	2858	2839	2855	2842	2846	2870	2866	2870	2851
45.0	2756	2720	2738	2719	2740	2743	2748	2738	2722	2727
47.5	2632	2607	2604	2621	2598	2620	2589	2596	2604	2607
50.0	2454	2481	2481	2485	2495	2470	2490	2484	2462	2473
52.5	2334	2324	2319	2309	2324	2315	2306	2318	2335	2311
55.0	2173	2174	2170	2185	2174	2170	2165	2172	2166	2155
57.5	2001	2003	2014	2008	2004	2013	2019	1998	2000	1992
60.0	1844	1832	1833	1832	1832	1836	1830	1828	1817	1824
62.5	1626	1637	1630	1637	1664	1654	1648	1662	1635	1634
65.0	1451	1444	1458	1450	1446	1457	1471	1452	1462	1444
67.5	1232	1231	1244	1260	1258	1249	1266	1257	1243	1222
70.0	1015	1006	1027	1040	1044	1036	1047	1048	1034	1005
72.5	812	821	826	826	838	832	821	813	817	824
75.0	632	640	634	636	641	623	631	633	638	639
77.5	449	463	465	465	464	436	454	453	460	460
80.0	288	295	300	293	295	294	299	294	297	296
82.5	168	173	171	165	167	163	168	170	176	171
85.0	77	76	74	75	73	76	77	81	80	77
87.5	26	25	25	26	25	26	28	28	27	27
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	3570
2.5	3593
5.0	3559
7.5	3615
10.0	3549
12.5	3552
15.0	3546
17.5	3530
20.0	3457
22.5	3477
25.0	3415
27.5	3388

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.

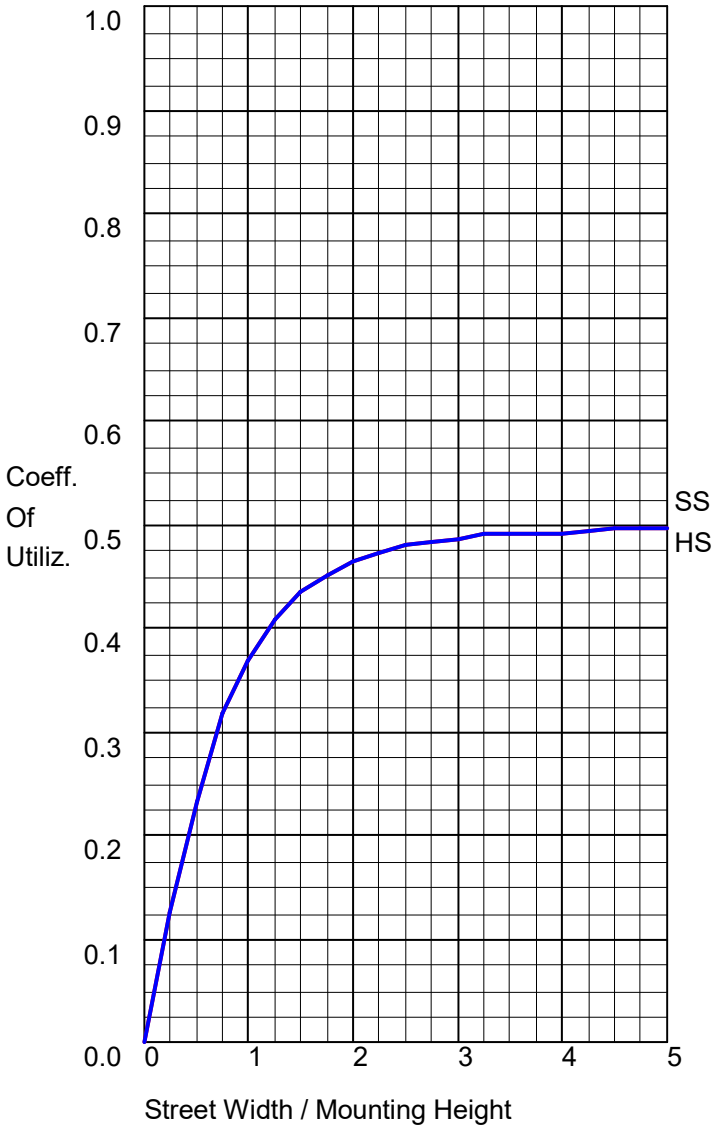
CANDELA TABULATION - (Cont.)

30.0	3304
32.5	3224
35.0	3142
37.5	3087
40.0	2937
42.5	2876
45.0	2738
47.5	2615
50.0	2455
52.5	2336
55.0	2170
57.5	1992
60.0	1813
62.5	1636
65.0	1434
67.5	1211
70.0	1005
72.5	814
75.0	645
77.5	458
80.0	284
82.5	164
85.0	74
87.5	27
90.0	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-SC-LW-50.IES

COEFFICIENTS OF UTILIZATION



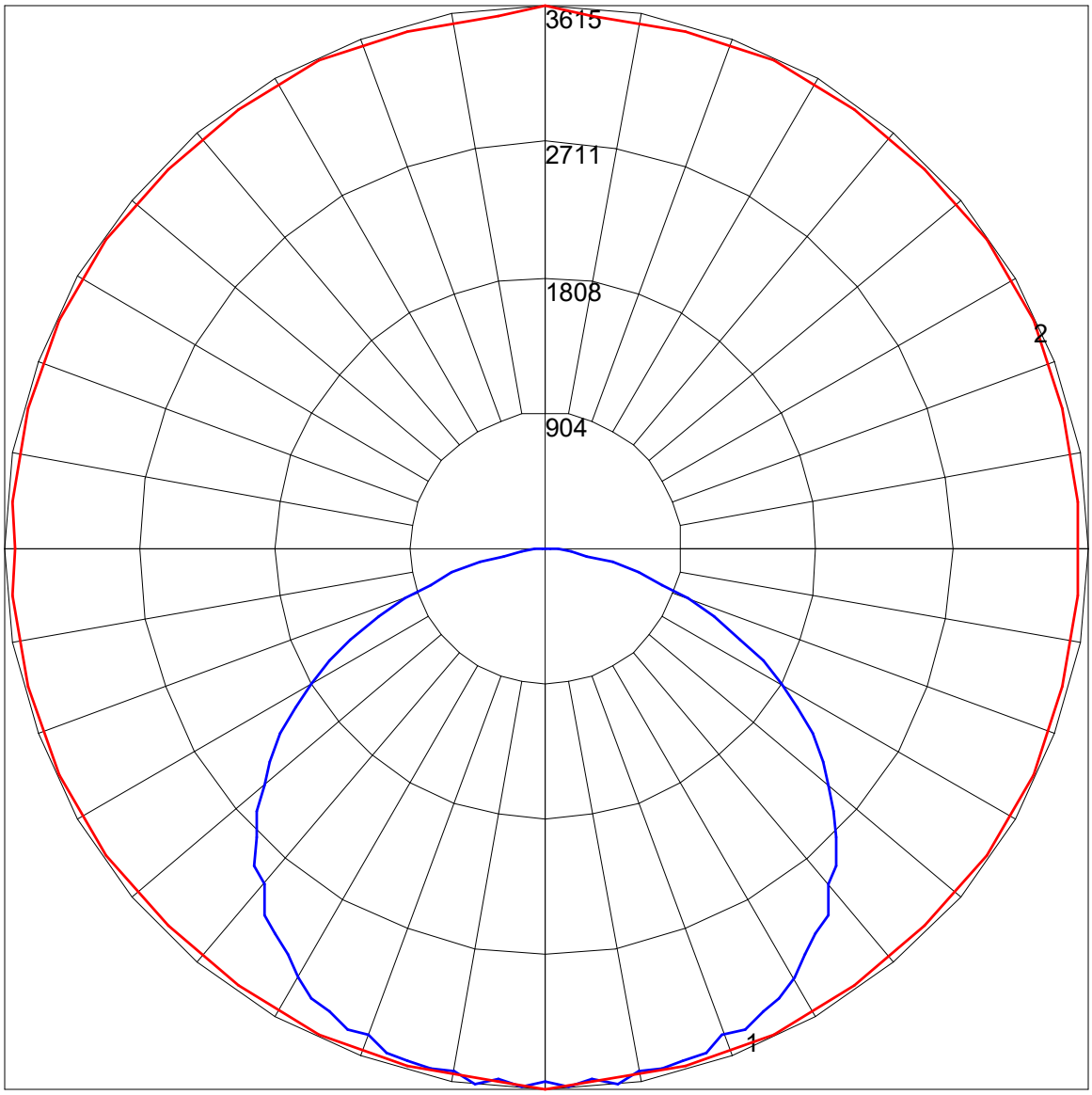
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	5574.1	50.0
Downward House Side	5574.1	50.0
Downward Total	11148.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	11148.2	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-SC-LW-50.IES

POLAR GRAPH

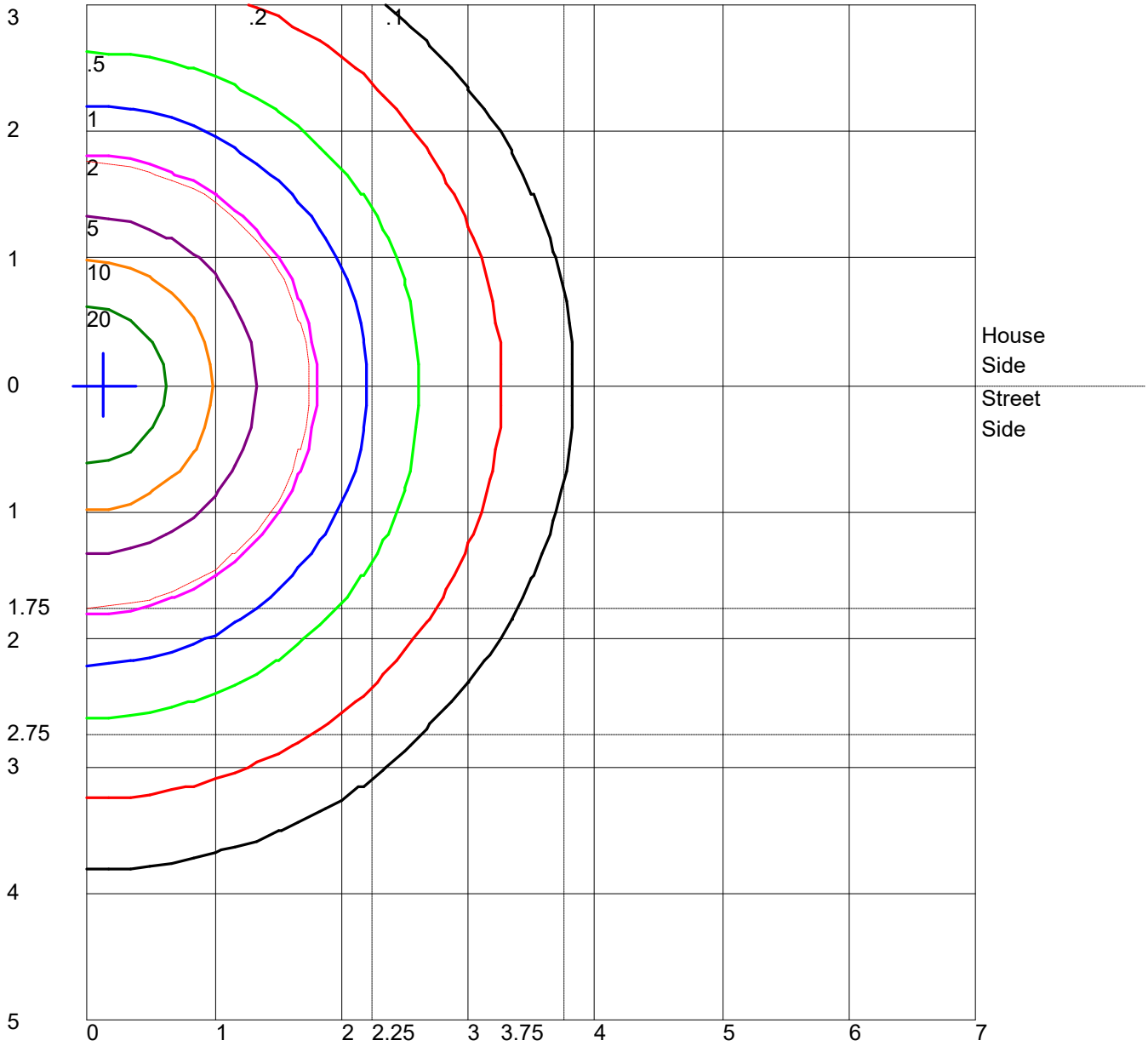


Maximum Candela = 3615 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

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-SC-LW-50.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

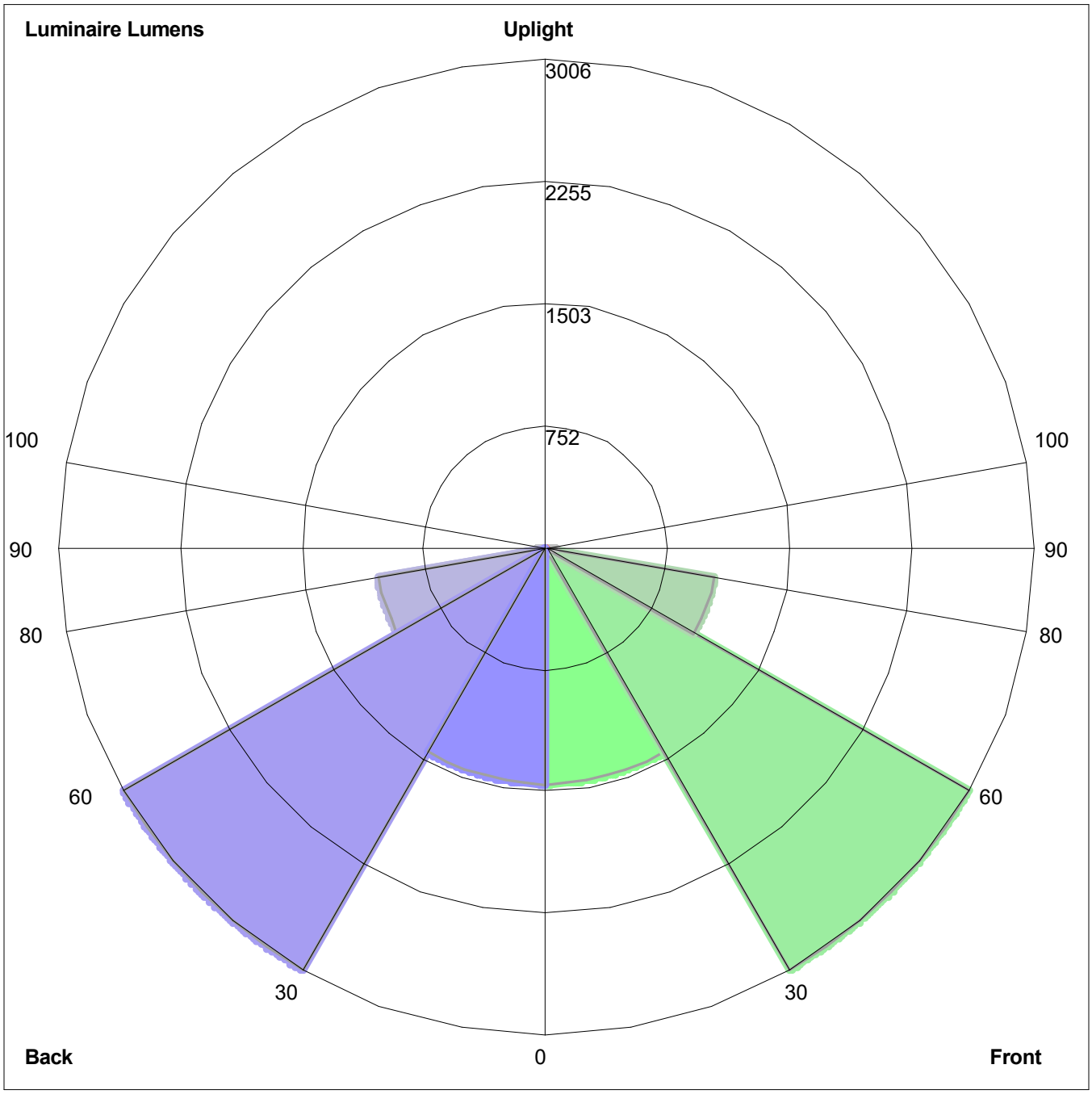


Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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-SC-LW-50.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1456.9, Medium=3006.3, High=1053.9, Very High=57.0
Back: Low=1456.9, Medium=3006.3, High=1053.9, Very High=57.0
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1

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.