IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-HO-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12151
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/18/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-SC-HO-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 VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17889
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	125
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5778
Maximum Candela Angle	55H 5V
Maximum Candela (<90 Degrees Vertical)	5778
Maximum Candela Angle (<90 Degrees Vertical)	55H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	496 (2.8% 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_SM-SC-HO-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2348.7	N.A.	13.1
FM - Front-Medium (30-60)	4833.5	N.A.	27.0
FH - Front-High (60-80)	1664.0	N.A.	9.3
FVH - Front-Very High (80-90)	98.1	N.A.	0.5
BL - Back-Low (0-30)	2348.7	N.A.	13.1
BM - Back-Medium (30-60)	4833.5	N.A.	27.0
BH - Back-High (60-80)	1664.0	N.A.	9.3
BVH - Back-Very High (80-90)	98.1	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	17888.6	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_SM-SC-HO-30.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	5757	5757	5757	5757	5757	5757	5757	5757	5757	5757
2.5	5754	5756	5772	5743	5759	5751	5765	5762	5777	5775
5.0	5764	5760	5754	5765	5774	5773	5778	5775	5763	5770
7.5	5760	5758	5754	5763	5754	5766	5765	5774	5757	5776
10.0	5755	5739	5737	5745	5750	5740	5738	5753	5758	5754
12.5	5726	5712	5728	5720	5739	5735	5730	5718	5741	5729
15.0	5682	5701	5695	5684	5702	5705	5706	5707	5694	5711
17.5	5673	5661	5669	5655	5664	5669	5662	5672	5657	5671
20.0	5615	5616	5620	5604	5616	5611	5625	5615	5625	5617
22.5	5579	5551	5554	5551	5556	5580	5566	5560	5567	5558
25.0	5499	5483	5494	5504	5498	5503	5492	5498	5493	5511
27.5	5405	5403	5413	5412	5416	5409	5426	5426	5414	5436
30.0	5329	5315	5317	5316	5333	5336	5318	5340	5320	5324
32.5	5214	5208	5208	5201	5202	5211	5218	5227	5212	5211
35.0	5068	5064	5075	5086	5090	5091	5091	5091	5082	5076
37.5	4915	4934	4927	4924	4947	4929	4940	4935	4936	4930
40.0	4770	4774	4776	4771	4779	4786	4771	4769	4771	4780
42.5	4590	4598	4605	4609	4610	4595	4589	4607	4599	4609
45.0	4390	4409	4405	4423	4412	4412	4402	4398	4410	4404
47.5	4195	4199	4206	4201	4201	4183	4195	4188	4198	4190
50.0	3987	3987	3996	3972	3974	3980	3975	3977	3961	3971
52.5	3754	3746	3762	3737	3744	3739	3746	3733	3709	3701
55.0	3492	3487	3502	3494	3486	3496	3492	3475	3423	3384
57.5	3214	3203	3224	3234	3229	3224	3225	3176	3119	3093
60.0	2902	2901	2938	2946	2941	2957	2899	2837	2839	2825
62.5	2572	2568	2607	2647	2656	2634	2562	2554	2548	2544
65.0	2264	2263	2273	2305	2322	2282	2251	2257	2259	2244
67.5	1953	1961	1954	1951	1967	1950	1945	1951	1947	1941
70.0	1634	1644	1641	1631	1618	1619	1632	1643	1644	1627
72.5	1322	1333	1328	1319	1293	1296	1315	1339	1332	1323
75.0	993	1013	1015	1009	983	1005	1014	1039	1010	1018
77.5	700	732	722	710	706	738	730	724	733	733
80.0	446	478	486	467	481	491	480	477	493	496
82.5	254	275	272	280	281	282	284	286	286	295
85.0	122	128	125	137	136	138	145	145	144	151
87.5	50	50	52	54	58	62	66	67	68	69
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	5757
2.5	5741
5.0	5733
7.5	5748
10.0	5721
12.5	5703
15.0	5689
17.5	5655
20.0	5620
22.5	5573
25.0	5497
27.5	5413

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.

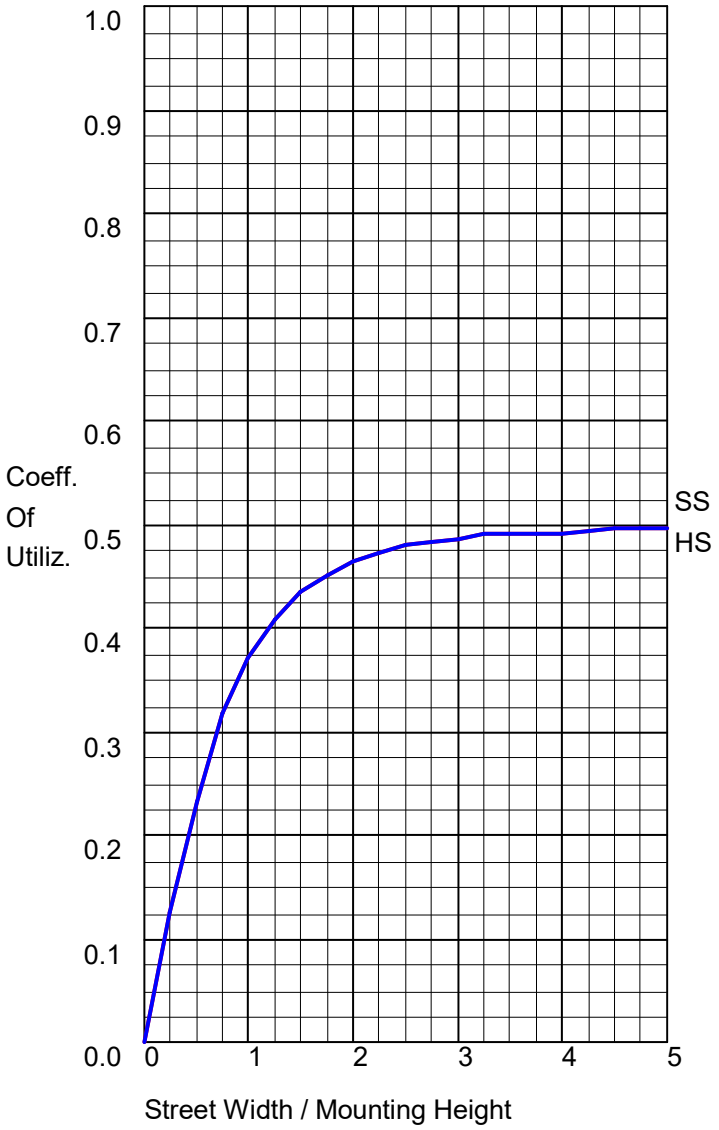
CANDELA TABULATION - (Cont.)

30.0	5330
32.5	5212
35.0	5060
37.5	4918
40.0	4781
42.5	4612
45.0	4401
47.5	4180
50.0	3957
52.5	3699
55.0	3383
57.5	3086
60.0	2813
62.5	2532
65.0	2242
67.5	1930
70.0	1616
72.5	1313
75.0	1006
77.5	713
80.0	477
82.5	285
85.0	143
87.5	67
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_SM-SC-HO-30.IES

COEFFICIENTS OF UTILIZATION



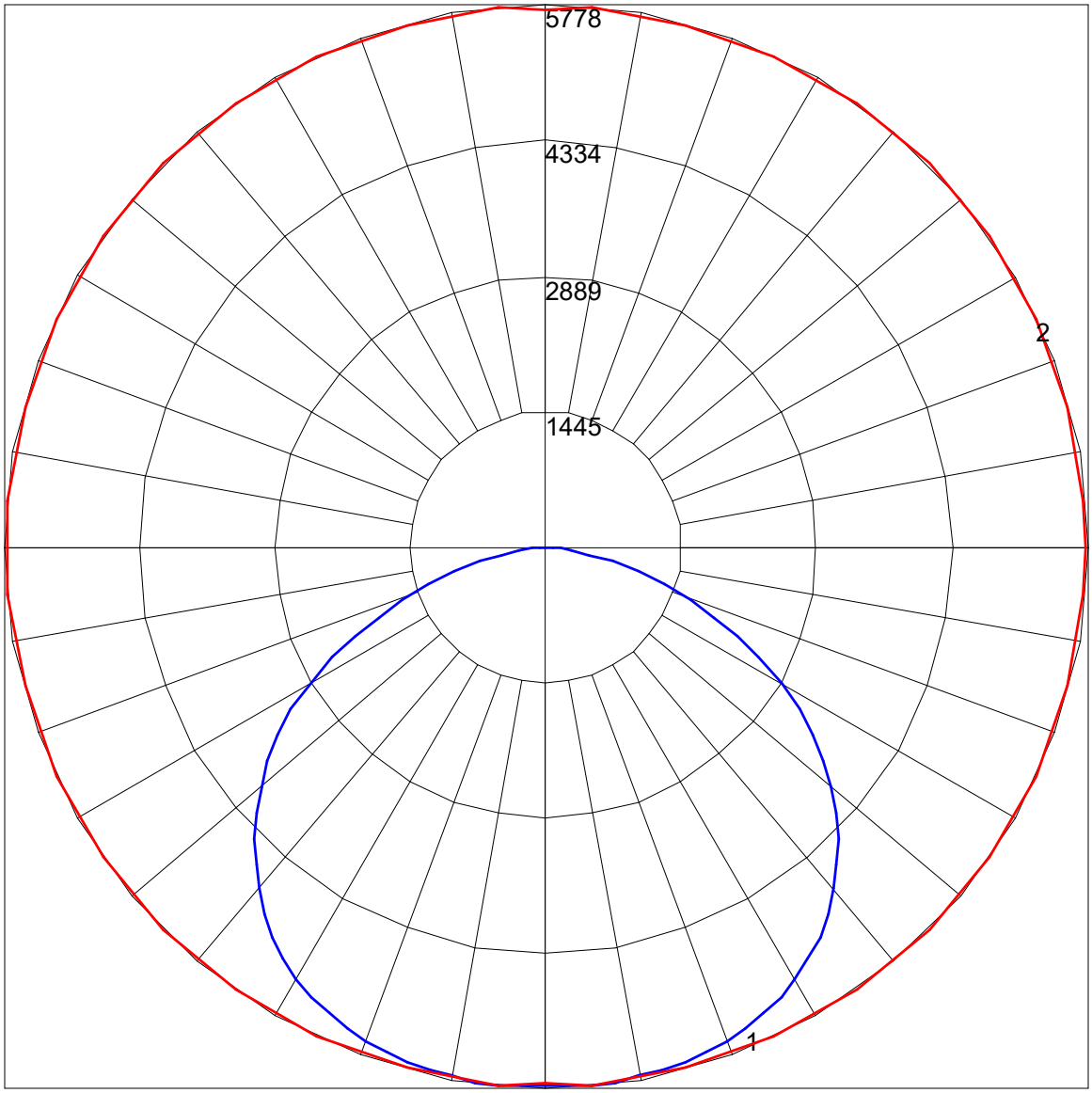
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	8944.3	50.0
Downward House Side	8944.3	50.0
Downward Total	17888.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	17888.6	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_SM-SC-HO-30.IES

POLAR GRAPH

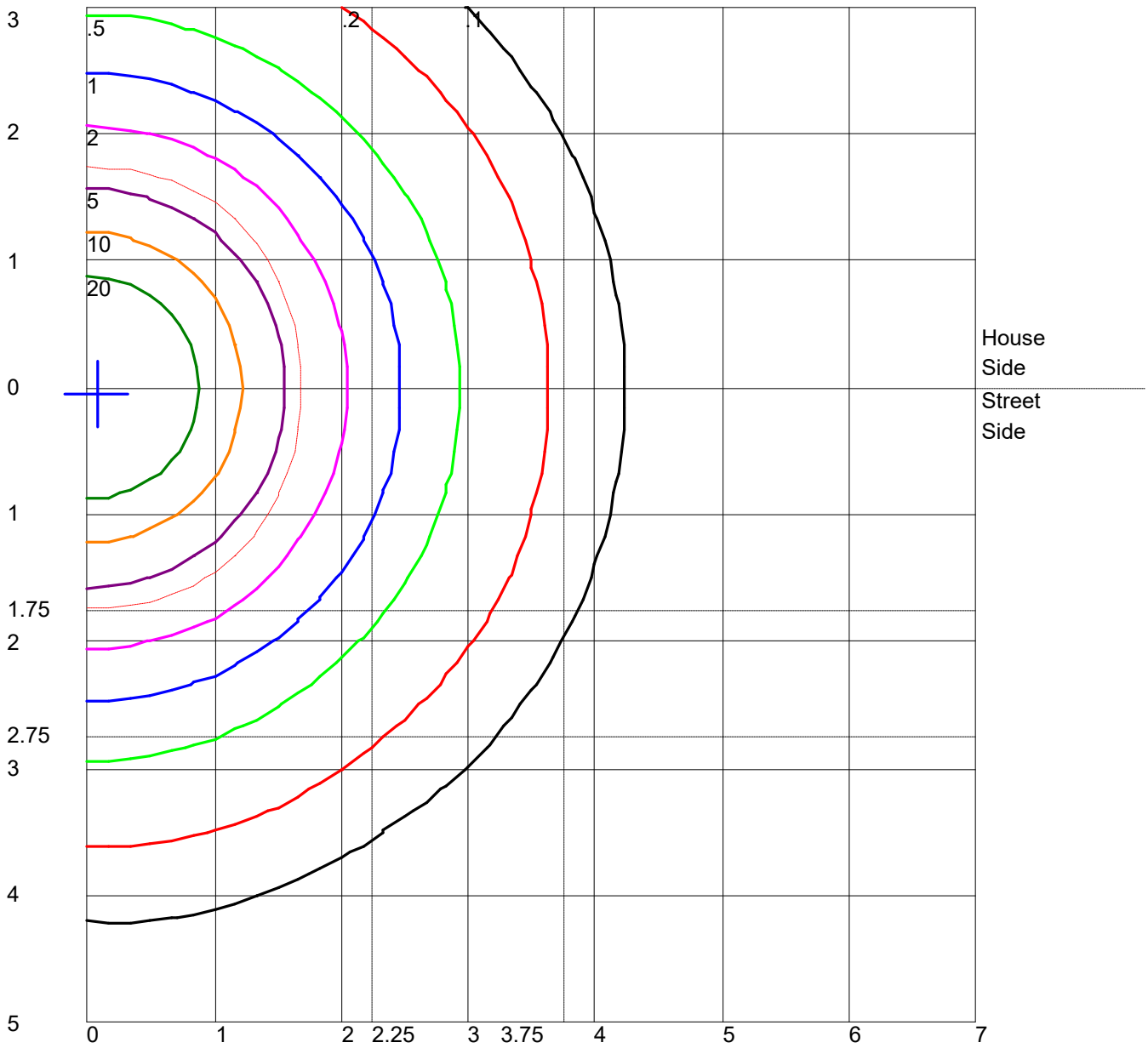


Maximum Candela = 5778 Located At Horizontal Angle = 55, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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_SM-SC-HO-30.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

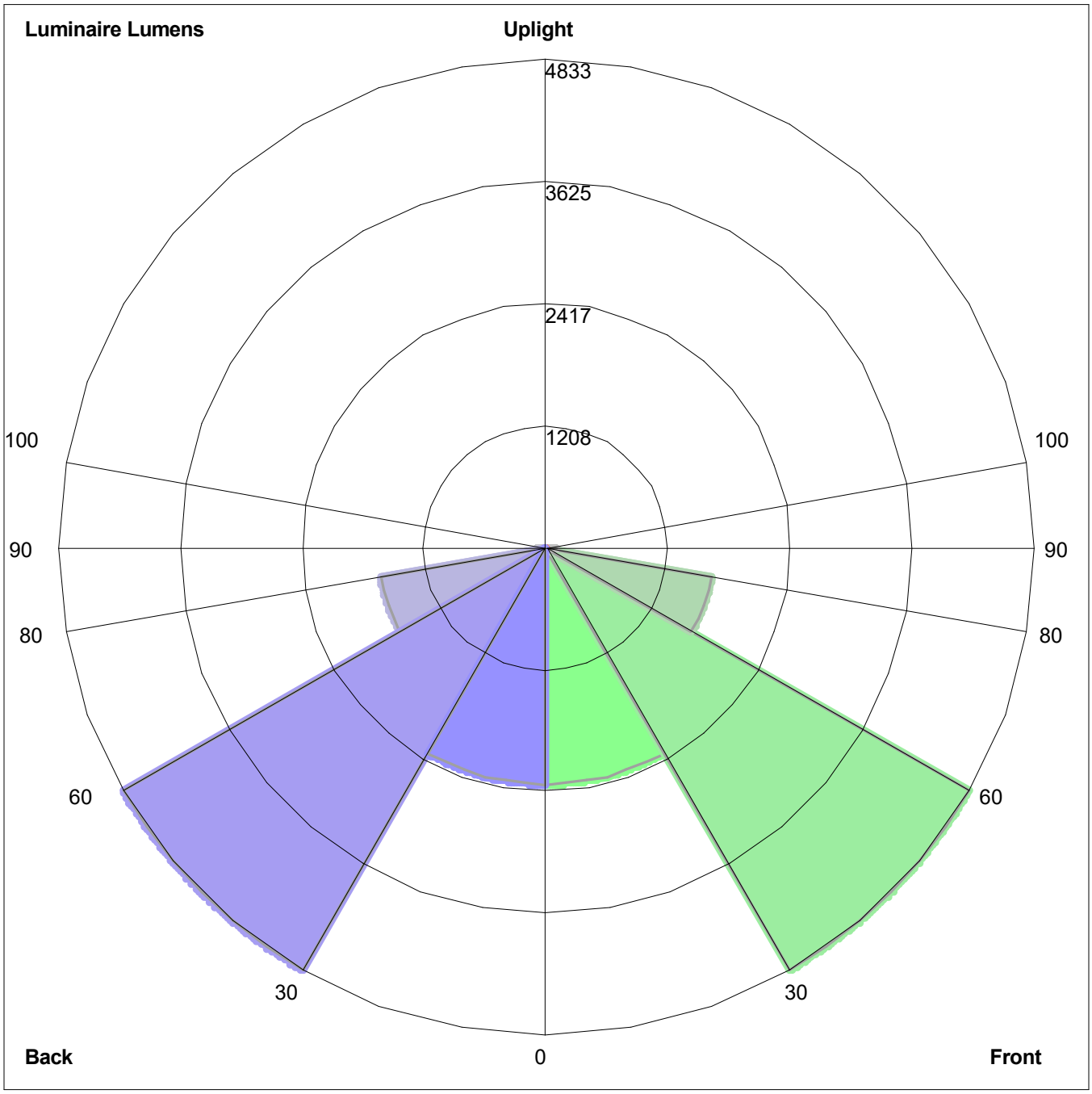


Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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_SM-SC-HO-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2348.7, Medium=4833.5, High= 1664.0, Very High=98.1
Back: Low=2348.7, Medium=4833.5, High= 1664.0, Very High=98.1
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.