IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-VHO-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12150
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/17/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-SC-VHO-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 VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21834
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	152
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7071
Maximum Candela Angle	55H 2.5V
Maximum Candela (<90 Degrees Vertical)	7071
Maximum Candela Angle (<90 Degrees Vertical)	55H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	602 (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-VHO-40.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2870.6	N.A.	13.1
FM - Front-Medium (30-60)	5903.5	N.A.	27.0
FH - Front-High (60-80)	2025.2	N.A.	9.3
FVH - Front-Very High (80-90)	117.6	N.A.	0.5
BL - Back-Low (0-30)	2870.6	N.A.	13.1
BM - Back-Medium (30-60)	5903.5	N.A.	27.0
BH - Back-High (60-80)	2025.2	N.A.	9.3
BVH - Back-Very High (80-90)	117.6	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	21833.8	N.A.	100.0
BUG Rating	B4-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_SM-SC-VHO-40.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	7030	7030	7030	7030	7030	7030	7030	7030	7030	7030
2.5	7027	7053	7038	7037	7039	7050	7071	7035	7050	7042
5.0	7050	7028	7041	7050	7054	7036	7061	7047	7053	7064
7.5	7035	7031	7035	7034	7033	7054	7043	7034	7050	7042
10.0	6990	7015	7023	7017	7005	7025	7007	7036	7029	7031
12.5	6988	7004	6994	7011	6989	7007	7016	7013	7000	6999
15.0	6932	6960	6951	6945	6953	6949	6969	6963	6966	6986
17.5	6900	6899	6924	6924	6912	6914	6921	6941	6915	6930
20.0	6882	6871	6853	6859	6854	6873	6879	6877	6868	6852
22.5	6797	6800	6802	6801	6793	6809	6800	6803	6817	6789
25.0	6703	6712	6713	6697	6716	6724	6739	6718	6717	6731
27.5	6636	6604	6611	6633	6626	6630	6628	6619	6633	6632
30.0	6519	6483	6510	6498	6494	6526	6509	6522	6527	6511
32.5	6352	6376	6358	6354	6378	6383	6383	6346	6366	6379
35.0	6176	6213	6195	6209	6228	6210	6210	6194	6204	6209
37.5	6014	6032	6026	6027	6027	6025	6027	6027	6016	6027
40.0	5831	5816	5837	5844	5836	5838	5834	5827	5813	5837
42.5	5614	5603	5616	5627	5631	5626	5630	5625	5617	5614
45.0	5371	5388	5404	5389	5387	5365	5370	5375	5386	5381
47.5	5144	5132	5130	5135	5136	5120	5128	5129	5129	5113
50.0	4889	4871	4869	4851	4865	4872	4854	4853	4841	4837
52.5	4583	4583	4588	4570	4568	4575	4581	4574	4538	4523
55.0	4250	4255	4257	4266	4247	4272	4268	4250	4166	4135
57.5	3911	3922	3947	3934	3949	3942	3938	3865	3804	3769
60.0	3540	3556	3589	3590	3592	3590	3537	3464	3458	3440
62.5	3147	3139	3172	3230	3222	3212	3122	3103	3108	3104
65.0	2761	2748	2772	2800	2840	2775	2739	2753	2749	2737
67.5	2376	2393	2385	2373	2405	2372	2360	2378	2376	2368
70.0	1988	2002	1999	1987	1962	1967	1983	2003	2004	1986
72.5	1603	1619	1610	1607	1569	1585	1600	1631	1611	1609
75.0	1207	1218	1228	1228	1192	1225	1239	1261	1227	1221
77.5	875	886	881	864	854	891	883	870	891	888
80.0	531	583	589	564	583	579	576	574	602	598
82.5	301	336	334	338	338	342	338	338	339	358
85.0	143	154	153	164	165	162	171	168	172	181
87.5	59	60	62	65	68	72	75	77	80	82
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	7030
2.5	7014
5.0	7057
7.5	7034
10.0	7006
12.5	6970
15.0	6976
17.5	6909
20.0	6868
22.5	6772
25.0	6694
27.5	6625

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.

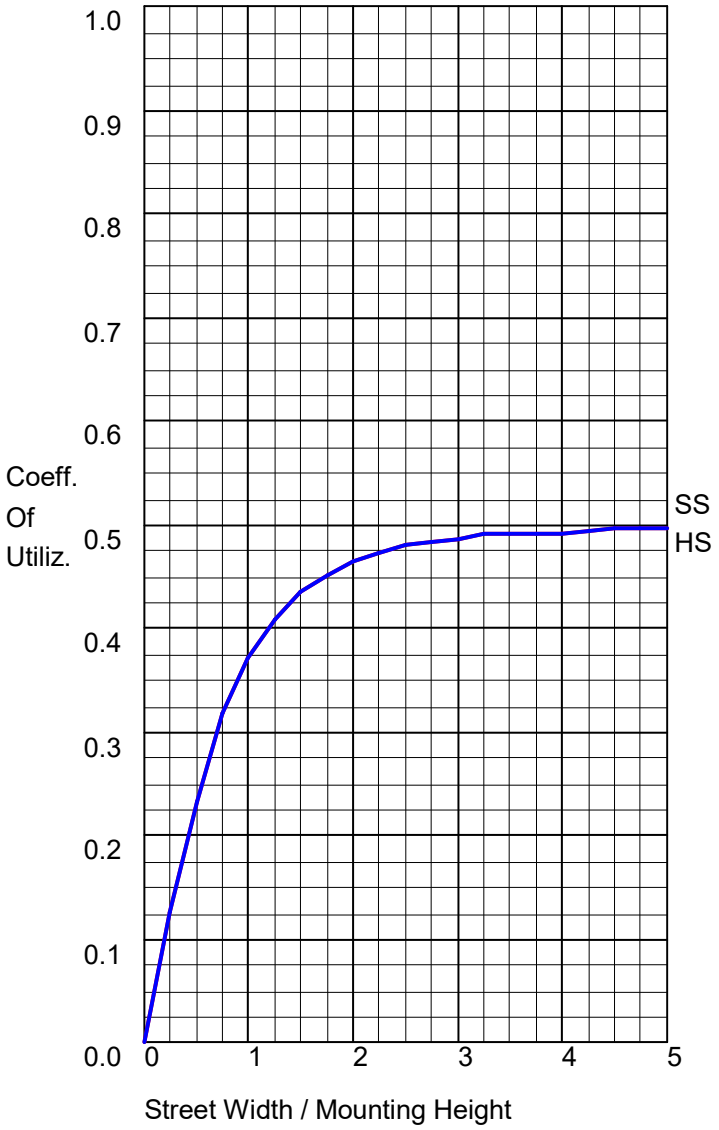
CANDELA TABULATION - (Cont.)

30.0	6487
32.5	6356
35.0	6175
37.5	6031
40.0	5825
42.5	5626
45.0	5366
47.5	5107
50.0	4858
52.5	4499
55.0	4130
57.5	3746
60.0	3435
62.5	3076
65.0	2727
67.5	2367
70.0	1973
72.5	1599
75.0	1203
77.5	855
80.0	576
82.5	338
85.0	172
87.5	81
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-VHO-40.IES

COEFFICIENTS OF UTILIZATION



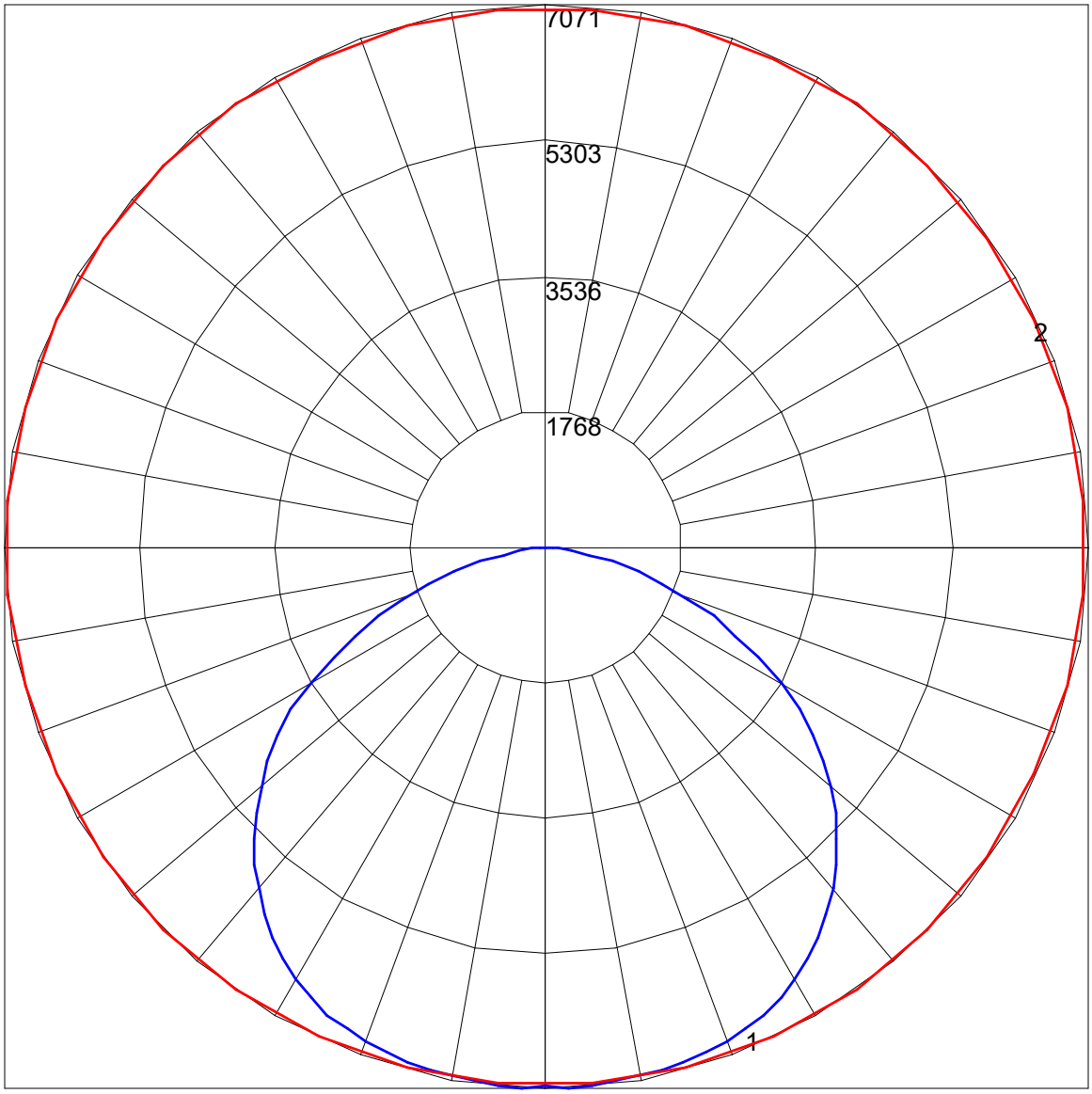
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	10916.9	50.0
Downward House Side	10916.9	50.0
Downward Total	21833.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	21833.8	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-VHO-40.IES

POLAR GRAPH

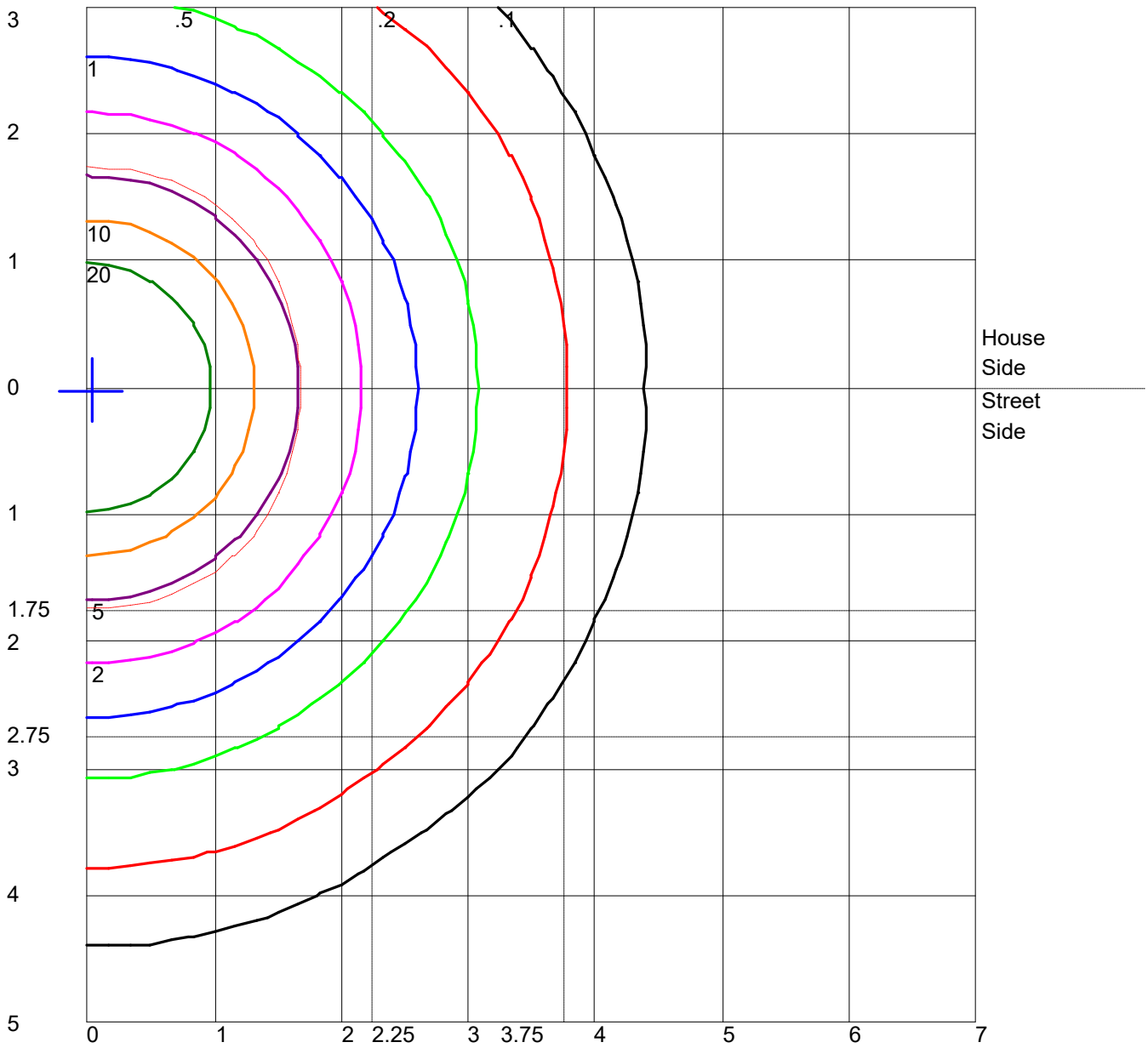


Maximum Candela = 7071 Located At Horizontal Angle = 55, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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-VHO-40.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

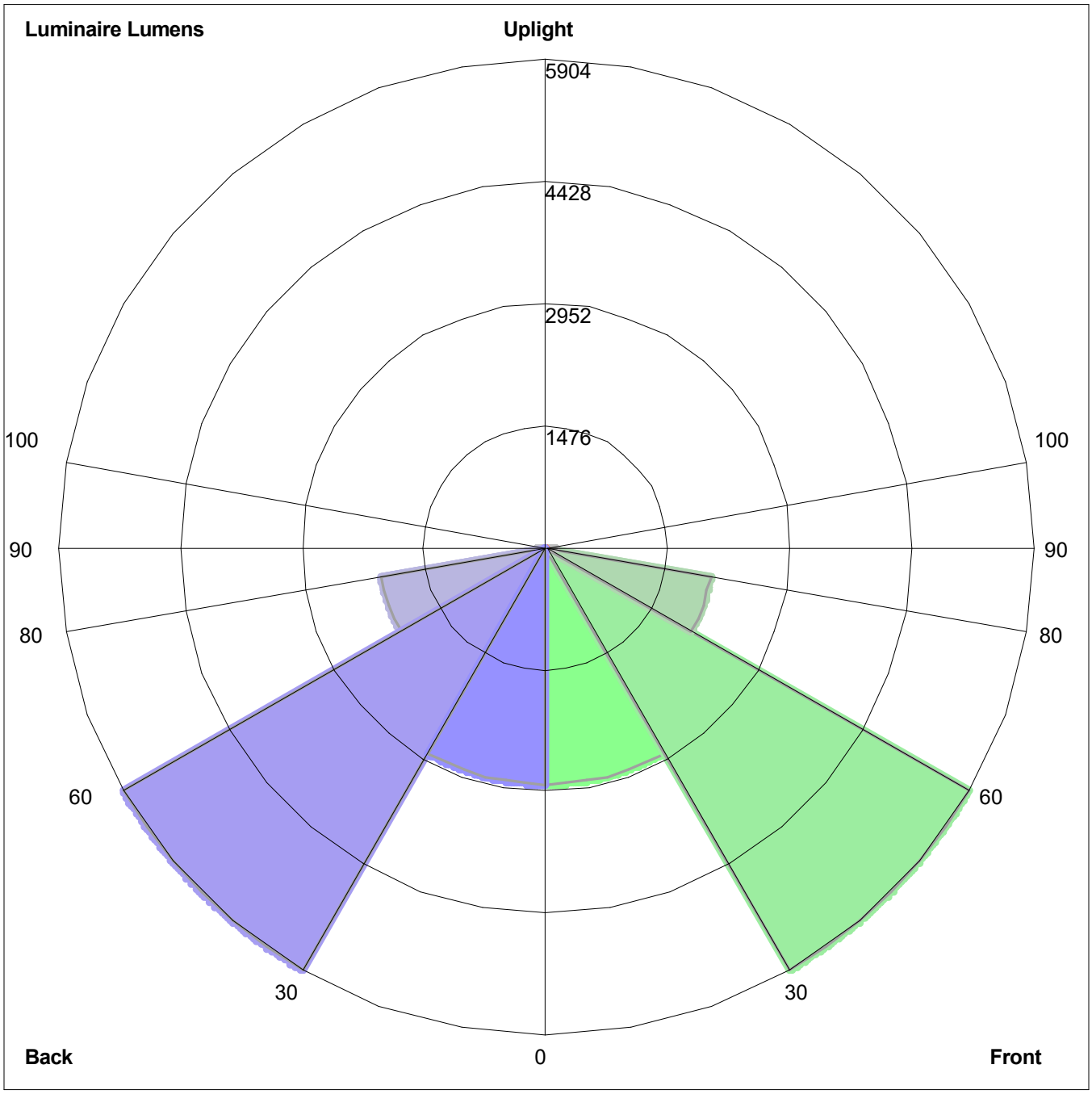


Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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-VHO-40.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2870.6, Medium=5903.5, High=2025.2, Very High=117.6
Back: Low=2870.6, Medium=5903.5, High=2025.2, Very High=117.6
Uplight: Low=0.0, High=0.0

BUG Rating : B4-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.