

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P643665

Luminaire Tested: ML5615LSVWFL9FS1E - 693TBZB - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-112)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 693TBZB - 1200LM - 5000K
Description: ML56 RR, MILKY OPTIC, 6" TUSCON BRONZE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

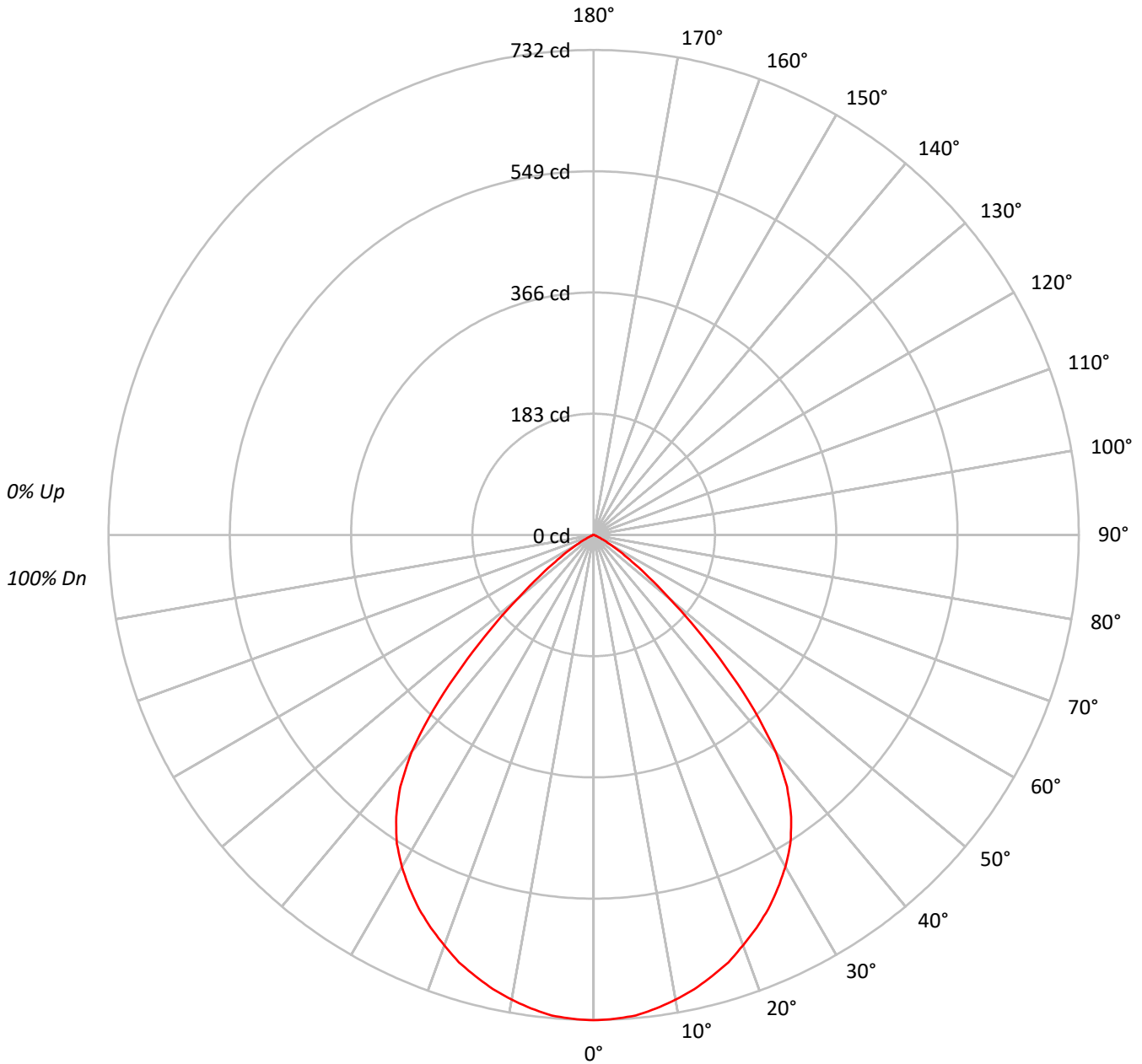
Lumens per Lamp: N/A
Luminaire Lumens: 1170.4 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									20
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																												
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91																												
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																												
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74																												
4	92	83	77	72	90	82	76	71	80	75	70	78	73	69	76	72	69	67																												
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60																												
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55																												
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50																												
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46																												
9	67	56	49	44	66	55	48	44	54	48	44	53	47	43	52	47	43	42																												
10	63	52	45	40	62	51	45	40	50	44	40	50	44	40	49	44	40	38																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40156
5°	40073
10°	39656
15°	39126
20°	38451
25°	37696
30°	36620
35°	34767
40°	30586
45°	21870
50°	12767
55°	6738
60°	3158
65°	1310
70°	465
75°	297
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21870 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	5.9
10°-20°	194.4	16.6
20°-30°	286.5	24.5
30°-40°	320.8	27.4
40°-50°	217.5	18.6
50°-60°	69.0	5.9
60°-70°	11.6	1.0
70°-80°	1.5	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	549.9	47.0
0°-40°	870.7	74.4
0°-60°	1157.3	98.9
0°-90°	1170.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1170.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	732	
5°	728	69
15°	689	194
25°	623	287
35°	520	321
45°	282	218
55°	70	69
65°	10	12
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	732.5
2.5°	731.1
5°	728.2
7.5°	721.0
10°	712.4
12.5°	702.3
15°	689.4
17.5°	676.4
20°	659.1
22.5°	641.9
25°	623.2
27.5°	601.6
30°	578.5
32.5°	552.6
35°	519.5
37.5°	479.2
40°	427.4
42.5°	358.4
45°	282.1
47.5°	210.1
50°	149.7
52.5°	105.1
55°	70.5
57.5°	47.5
60°	28.8
62.5°	17.3
65°	10.1
67.5°	4.3
70°	2.9
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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