

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: P643631

Luminaire Tested: ML5615LSVWFL9FS1E - 693BB - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-110)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 693BB - 1200LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" BLACK BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

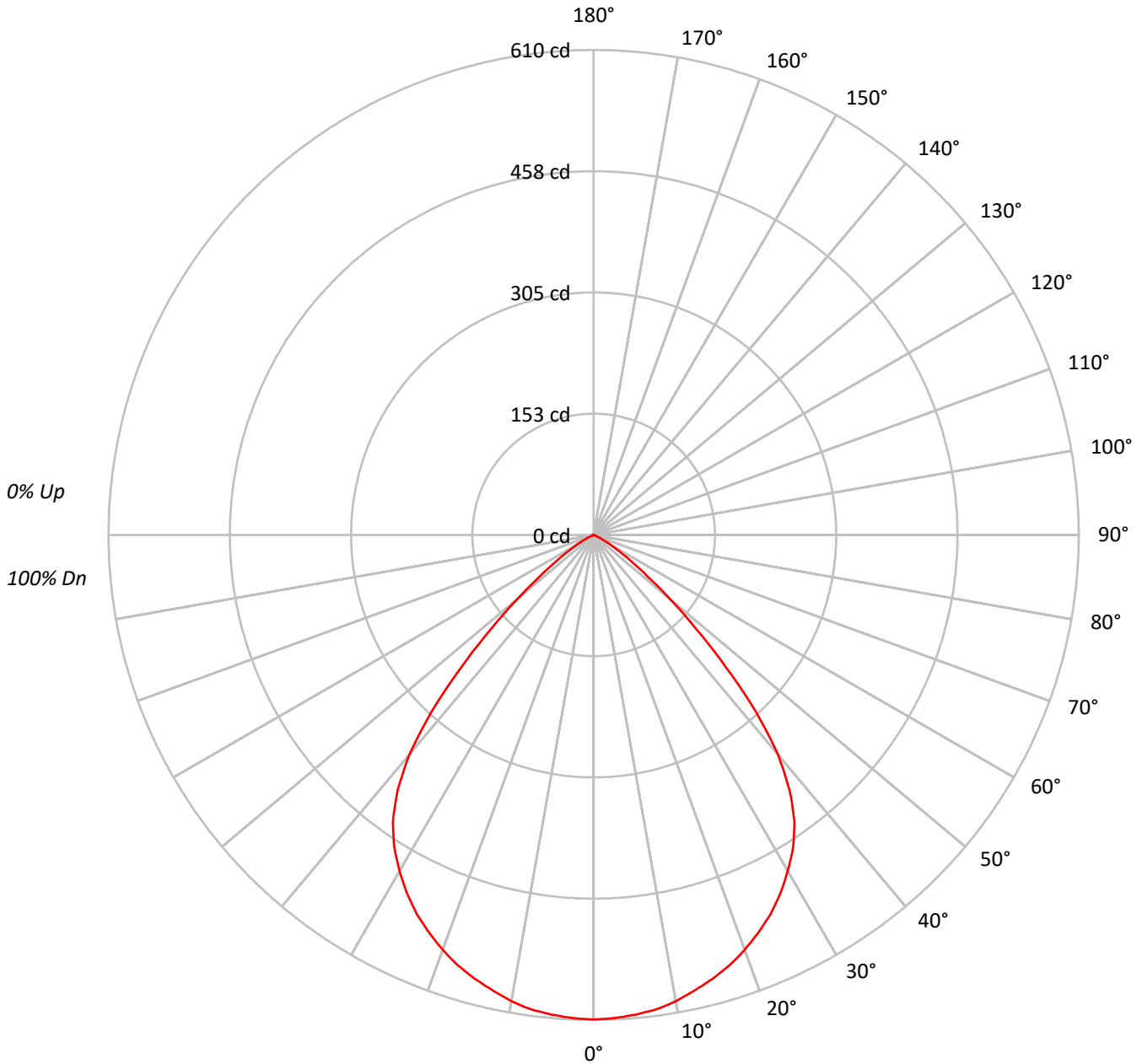
Lumens per Lamp: N/A
Luminaire Lumens: 980.4 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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	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	105	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	83																			
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74																			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67																			
5	86	77	70	64	85	76	69	64	74	68	63	72	67	63	70	66	62	61																			
6	81	70	63	58	79	70	63	58	68	62	57	66	61	57	65	60	57	55																			
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50																			
8	71	60	53	48	70	59	53	48	58	52	48	57	52	48	56	51	47	46																			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42																			
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33413
5°	33331
10°	33155
15°	32798
20°	32389
25°	31822
30°	30897
35°	29453
40°	25791
45°	18234
50°	10567
55°	5438
60°	2500
65°	817
70°	208
75°	275
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18234 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	5.9
10°-20°	163.0	16.6
20°-30°	241.8	24.7
30°-40°	271.0	27.6
40°-50°	182.1	18.6
50°-60°	55.6	5.7
60°-70°	8.2	0.8
70°-80°	1.2	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°	462.3	47.2
0°-40°	733.4	74.8
0°-60°	971.1	99.0
0°-90°	980.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	980.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	610	
5°	606	58
15°	578	163
25°	526	242
35°	440	271
45°	235	182
55°	57	56
65°	6	8
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	609.5
2.5°	608.3
5°	605.7
7.5°	602.0
10°	595.6
12.5°	586.8
15°	577.9
17.5°	567.8
20°	555.2
22.5°	541.3
25°	526.1
27.5°	508.4
30°	488.1
32.5°	466.6
35°	440.1
37.5°	404.7
40°	360.4
42.5°	302.2
45°	235.2
47.5°	174.5
50°	123.9
52.5°	84.7
55°	56.9
57.5°	36.7
60°	22.8
62.5°	12.6
65°	6.3
67.5°	2.5
70°	1.3
72.5°	1.3
75°	1.3
77.5°	1.3
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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