

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



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: P643672

Luminaire Tested: ML5615LSVWFL9FS1E - 693TBZB - 900LM - 3000K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643672  
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 - 900LM - 3000K  
Description: ML56 RR, MILKY OPTIC, 6" TUSCON BRONZE BAFFLE TRIM  
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 836.9 lumens  
Efficiency: N/A  
Efficacy: 79.7 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

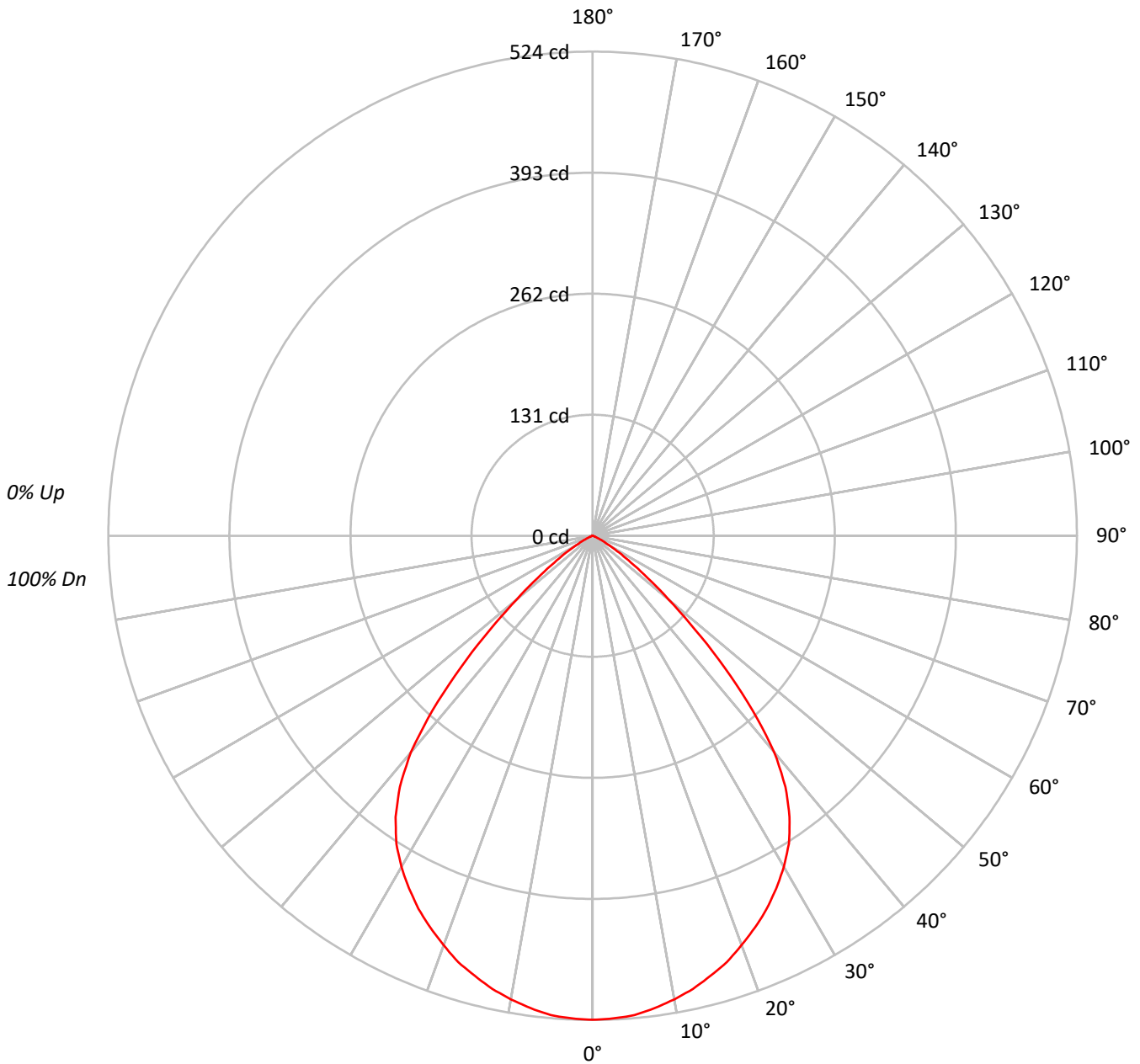
Input Watts (W): 10.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	28715
5°	28659
10°	28356
15°	27980
20°	27501
25°	26953
30°	26188
35°	24862
40°	21877
45°	15637
50°	9125
55°	4817
60°	2259
65°	934
70°	337
75°	212
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15637 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.3	5.9
10°-20°	139.0	16.6
20°-30°	204.9	24.5
30°-40°	229.4	27.4
40°-50°	155.6	18.6
50°-60°	49.4	5.9
60°-70°	8.3	1.0
70°-80°	1.1	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°	393.2	47.0
0°-40°	622.6	74.4
0°-60°	827.6	98.9
0°-90°	836.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	524	
5°	521	49
15°	493	139
25°	446	205
35°	372	229
45°	202	156
55°	50	49
65°	7	8
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	523.8
2.5°	522.8
5°	520.8
7.5°	515.6
10°	509.4
12.5°	502.2
15°	493.0
17.5°	483.7
20°	471.4
22.5°	459.0
25°	445.6
27.5°	430.2
30°	413.7
32.5°	395.2
35°	371.5
37.5°	342.7
40°	305.7
42.5°	256.3
45°	201.7
47.5°	150.3
50°	107.0
52.5°	75.1
55°	50.4
57.5°	34.0
60°	20.6
62.5°	12.3
65°	7.2
67.5°	3.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)