

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: P642971

Luminaire Tested: ML5615LSNFL259FS1E - 693TBZB - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 693TBZB - 1200LM - 2700K
Description: ML56 RR, 25D TIR OPTIC, 6" TUSCON BRONZE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1278.7 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

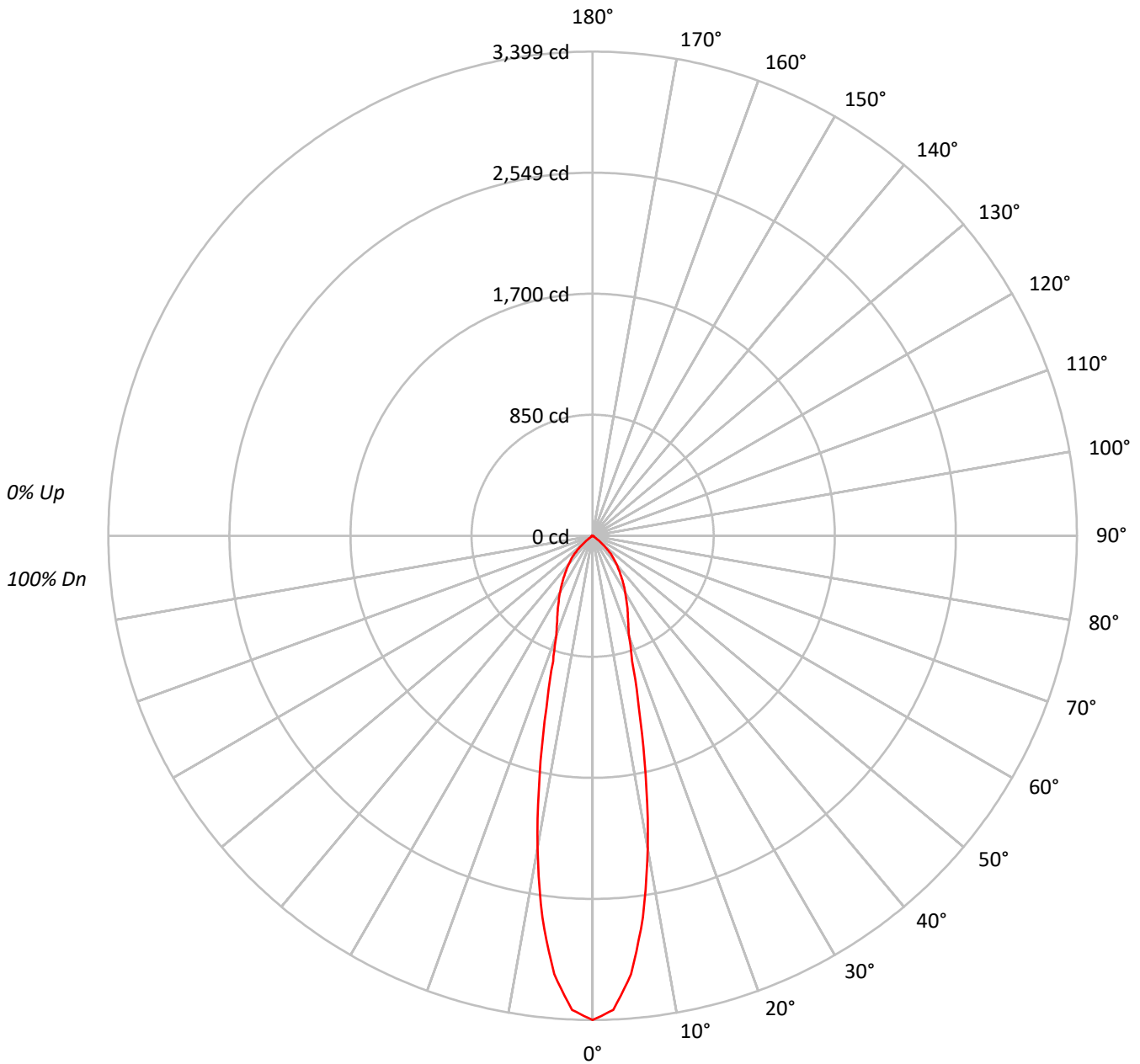
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88				88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82				82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77				77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72				72
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68				68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65				65
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	63	61				61
9	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58				58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56				56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	186350
5°	170008
10°	124085
15°	71011
20°	43322
25°	35125
30°	28910
35°	23450
40°	18556
45°	14219
50°	7232
55°	1816
60°	1107
65°	493
70°	208
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14219 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.9	20.9
10°-20°	358.9	28.1
20°-30°	267.5	20.9
30°-40°	219.7	17.2
40°-50°	135.3	10.6
50°-60°	25.7	2.0
60°-70°	4.2	0.3
70°-80°	0.5	0.0
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°	893.3	69.9
0°-40°	1113.0	87.0
0°-60°	1274.0	99.6
0°-90°	1278.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1278.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3399	
5°	3089	267
15°	1251	359
25°	581	267
35°	350	220
45°	183	135
55°	19	26
65°	4	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3399.3
2.5°	3331.0
5°	3089.4
7.5°	2702.3
10°	2229.1
12.5°	1714.2
15°	1251.2
17.5°	923.5
20°	742.6
22.5°	649.0
25°	580.7
27.5°	514.9
30°	456.7
32.5°	402.3
35°	350.4
37.5°	303.6
40°	259.3
42.5°	221.4
45°	183.4
47.5°	131.6
50°	84.8
52.5°	38.0
55°	19.0
57.5°	12.7
60°	10.1
62.5°	6.3
65°	3.8
67.5°	1.3
70°	1.3
72.5°	1.3
75°	0.0
77.5°	0.0
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)