

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: P642988

Luminaire Tested: ML5615LSNFL259FS1E - 693WB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 693WB - 1200LM - 3500K
Description: ML56 RR, 25D TIR OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1425.8 lumens
Efficiency: N/A
Efficacy: 106.4 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

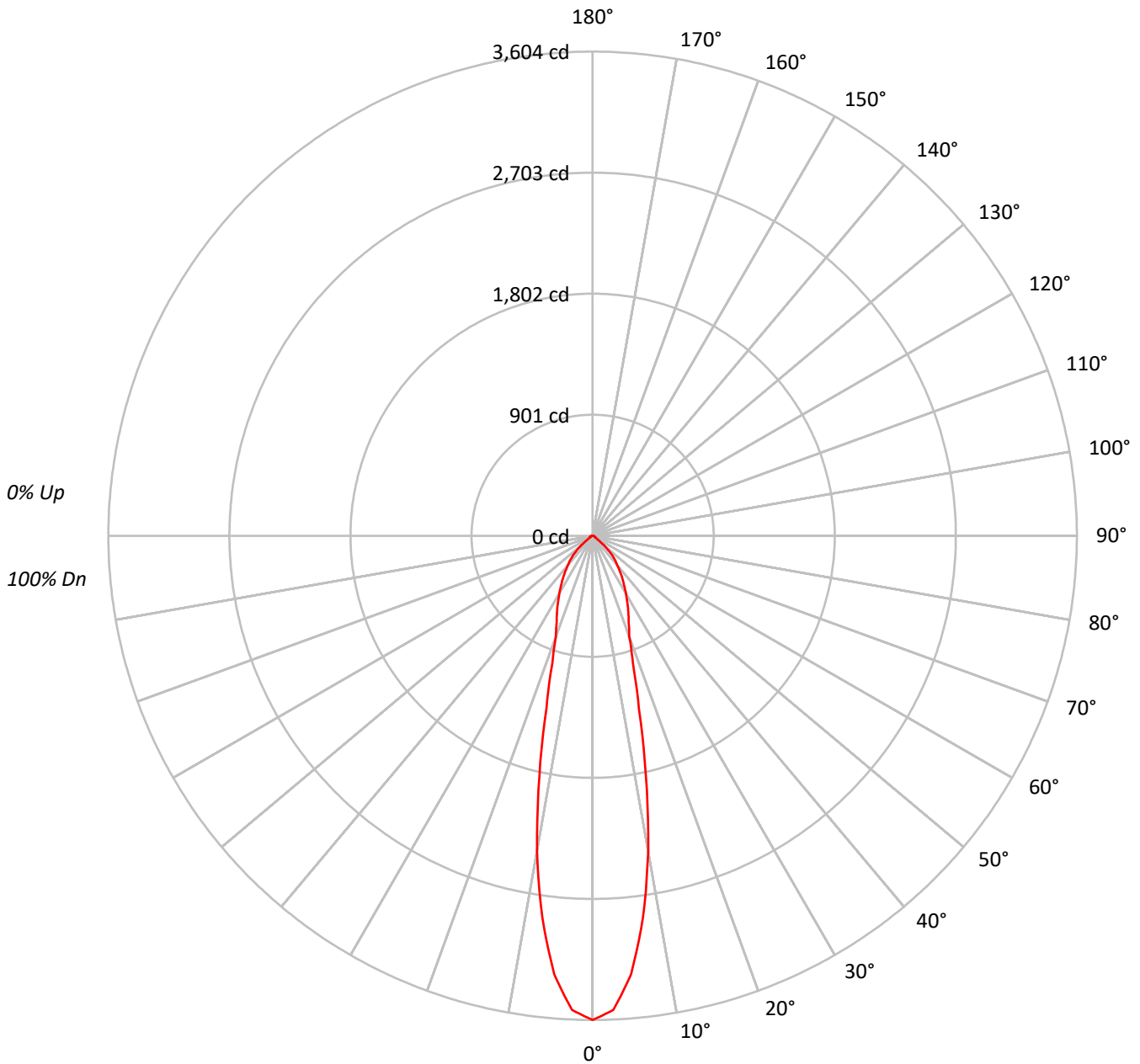
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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			
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	77	82	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66			
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62			
8	80	71	65	61	79	71	65	61	70	64	61	68	64	61	68	63	60	59			
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56			
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	197588
5°	180326
10°	132568
15°	75545
20°	46542
25°	37992
30°	31302
35°	25672
40°	20560
45°	16164
50°	9236
55°	3316
60°	2785
65°	2426
70°	2148
75°	2266
80°	2526
85°	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16164 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	19.9
10°-20°	383.8	26.9
20°-30°	289.1	20.3
30°-40°	240.0	16.8
40°-50°	154.6	10.8
50°-60°	41.0	2.9
60°-70°	18.3	1.3
70°-80°	11.3	0.8
80°-90°	4.0	0.3
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°	956.6	67.1
0°-40°	1196.5	83.9
0°-60°	1392.2	97.6
0°-90°	1425.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3604	
5°	3277	284
15°	1331	384
25°	628	289
35°	384	240
45°	208	155
55°	35	41
65°	19	18
75°	11	11
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3604.3
2.5°	3533.5
5°	3276.9
7.5°	2869.3
10°	2381.5
12.5°	1829.6
15°	1331.1
17.5°	995.6
20°	797.8
22.5°	700.3
25°	628.1
27.5°	558.6
30°	494.5
32.5°	437.0
35°	383.6
37.5°	332.8
40°	287.3
42.5°	247.2
45°	208.5
47.5°	155.0
50°	108.3
52.5°	56.1
55°	34.7
57.5°	28.1
60°	25.4
62.5°	21.4
65°	18.7
67.5°	14.7
70°	13.4
72.5°	12.0
75°	10.7
77.5°	9.4
80°	8.0
82.5°	5.3
85°	4.0
87.5°	1.3
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)