

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: P643299

Luminaire Tested: ML5615LSVWFL759FS1E - 693BB - 900LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-87)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 693BB - 900LM - 4000K
Description: ML56 RR, 75D TIR OPTIC, 6" BLACK BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1194.8 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

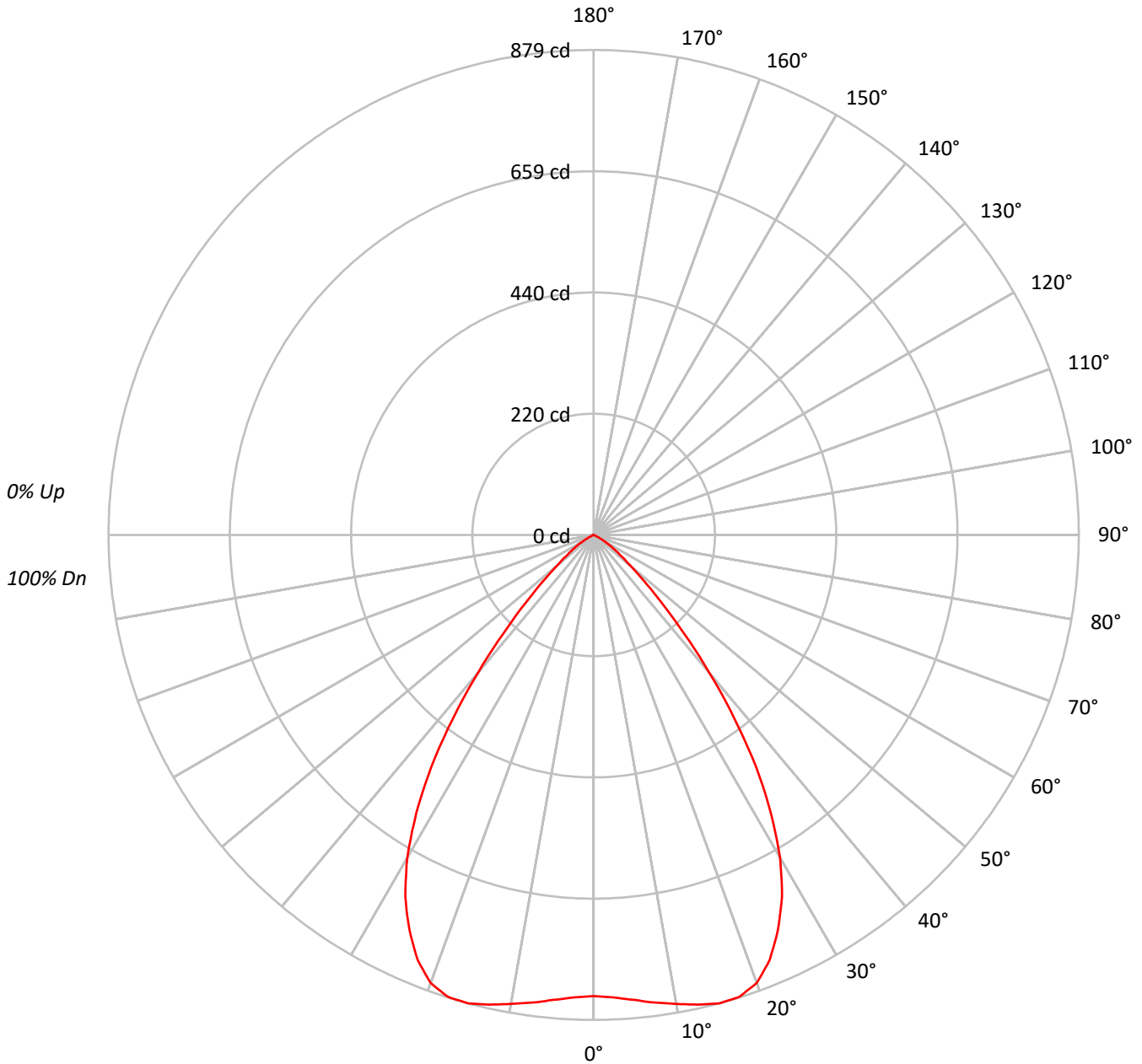
Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																												
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																												
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																												
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71																												
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65																												
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																												
7	79	69	62	57	78	68	62	57	67	61	57	65	60	56	64	60	56	55																												
8	75	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50																												
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47																												
10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45813
5°	46555
10°	48040
15°	49881
20°	50416
25°	47797
30°	42753
35°	34318
40°	23351
45°	13490
50°	7369
55°	4454
60°	2248
65°	584
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13490 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	6.8
10°-20°	247.6	20.7
20°-30°	359.9	30.1
30°-40°	314.5	26.3
40°-50°	141.8	11.9
50°-60°	43.3	3.6
60°-70°	6.3	0.5
70°-80°	0.0	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°	688.8	57.7
0°-40°	1003.3	84.0
0°-60°	1188.4	99.5
0°-90°	1194.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1194.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	836	
5°	846	81
15°	879	248
25°	790	360
35°	513	315
45°	174	142
55°	47	43
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	835.7
2.5°	839.1
5°	846.0
7.5°	855.1
10°	863.0
12.5°	872.1
15°	878.9
17.5°	877.8
20°	864.2
22.5°	833.5
25°	790.2
27.5°	739.1
30°	675.4
32.5°	598.1
35°	512.8
37.5°	418.4
40°	326.3
42.5°	242.2
45°	174.0
47.5°	122.8
50°	86.4
52.5°	62.5
55°	46.6
57.5°	33.0
60°	20.5
62.5°	10.2
65°	4.5
67.5°	1.1
70°	0.0
72.5°	0.0
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)