

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: P643378

Luminaire Tested: ML5615LSVWFL759FS1E - 696WB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-92)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 696WB - 1200LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1465.9 lumens
Efficiency: N/A
Efficacy: 109.4 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

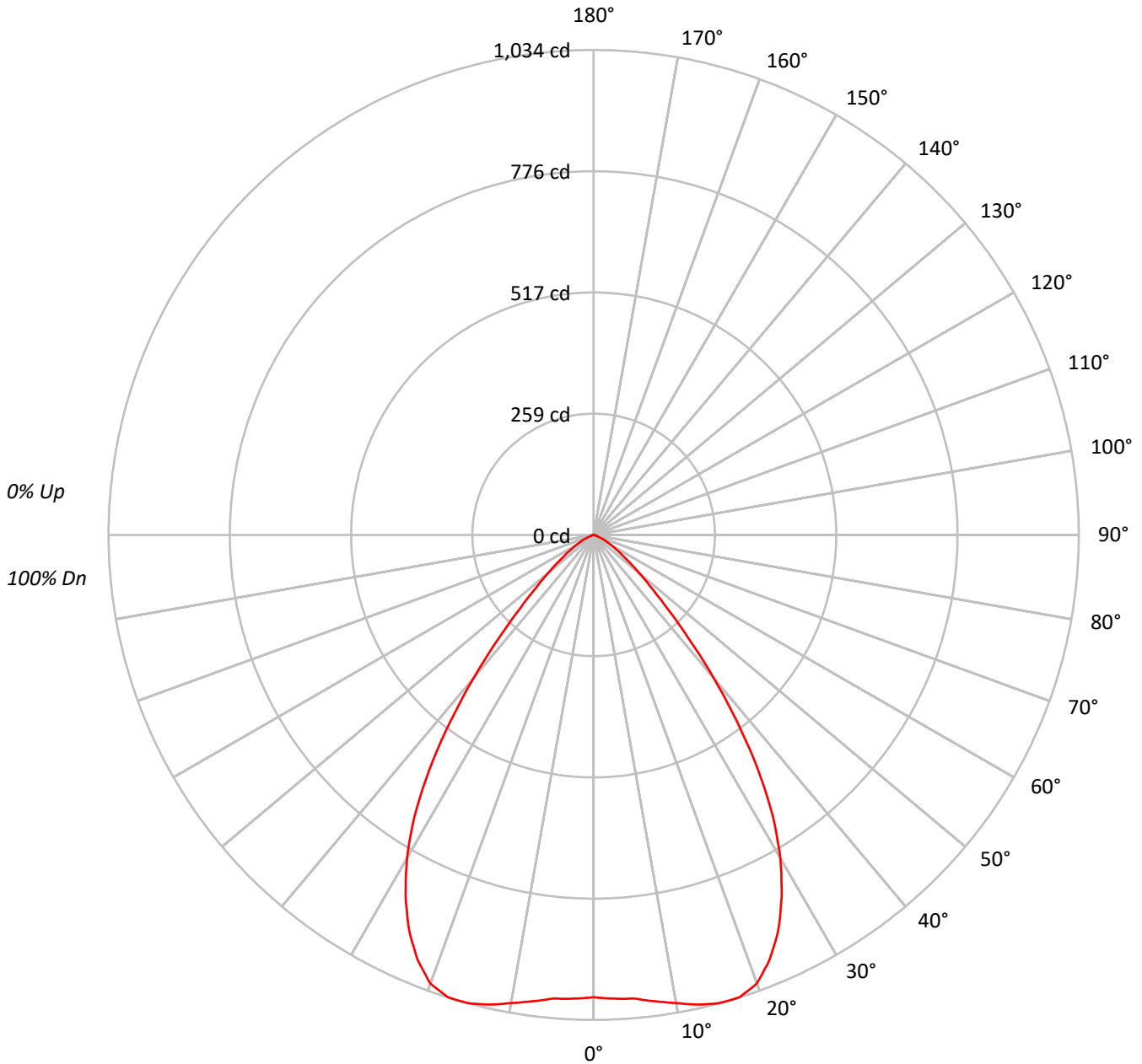
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	104	110	107	105	103	103	101	99	99	98	96	96	95	94	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76		
4	94	85	79	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58		
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53		
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49		
9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45		
10	66	55	48	44	64	54	48	44	53	48	44	52	47	43	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54036
5°	54606
10°	56428
15°	58667
20°	59371
25°	56308
30°	50387
35°	40850
40°	28389
45°	17188
50°	10934
55°	7025
60°	4682
65°	3113
70°	1491
75°	847
80°	852
85°	818

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	6.5
10°-20°	291.3	19.9
20°-30°	423.5	28.9
30°-40°	375.0	25.6
40°-50°	181.1	12.4
50°-60°	69.1	4.7
60°-70°	23.8	1.6
70°-80°	4.7	0.3
80°-90°	1.8	0.1
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°	810.3	55.3
0°-40°	1185.3	80.9
0°-60°	1435.5	97.9
0°-90°	1465.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1465.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	986	
5°	992	95
15°	1034	291
25°	931	424
35°	610	375
45°	222	181
55°	74	69
65°	24	24
75°	4	5
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	985.7
2.5°	989.7
5°	992.3
7.5°	1003.0
10°	1013.7
12.5°	1025.7
15°	1033.7
17.5°	1033.7
20°	1017.7
22.5°	980.3
25°	930.9
27.5°	868.1
30°	796.0
32.5°	710.5
35°	610.4
37.5°	502.2
40°	396.7
42.5°	300.5
45°	221.7
47.5°	165.6
50°	128.2
52.5°	97.5
55°	73.5
57.5°	54.8
60°	42.7
62.5°	32.1
65°	24.0
67.5°	14.7
70°	9.3
72.5°	5.3
75°	4.0
77.5°	2.7
80°	2.7
82.5°	2.7
85°	1.3
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)