

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: P643343

Luminaire Tested: ML5615LSVWFL759FS1E - 693WB - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-86)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 693WB - 900LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

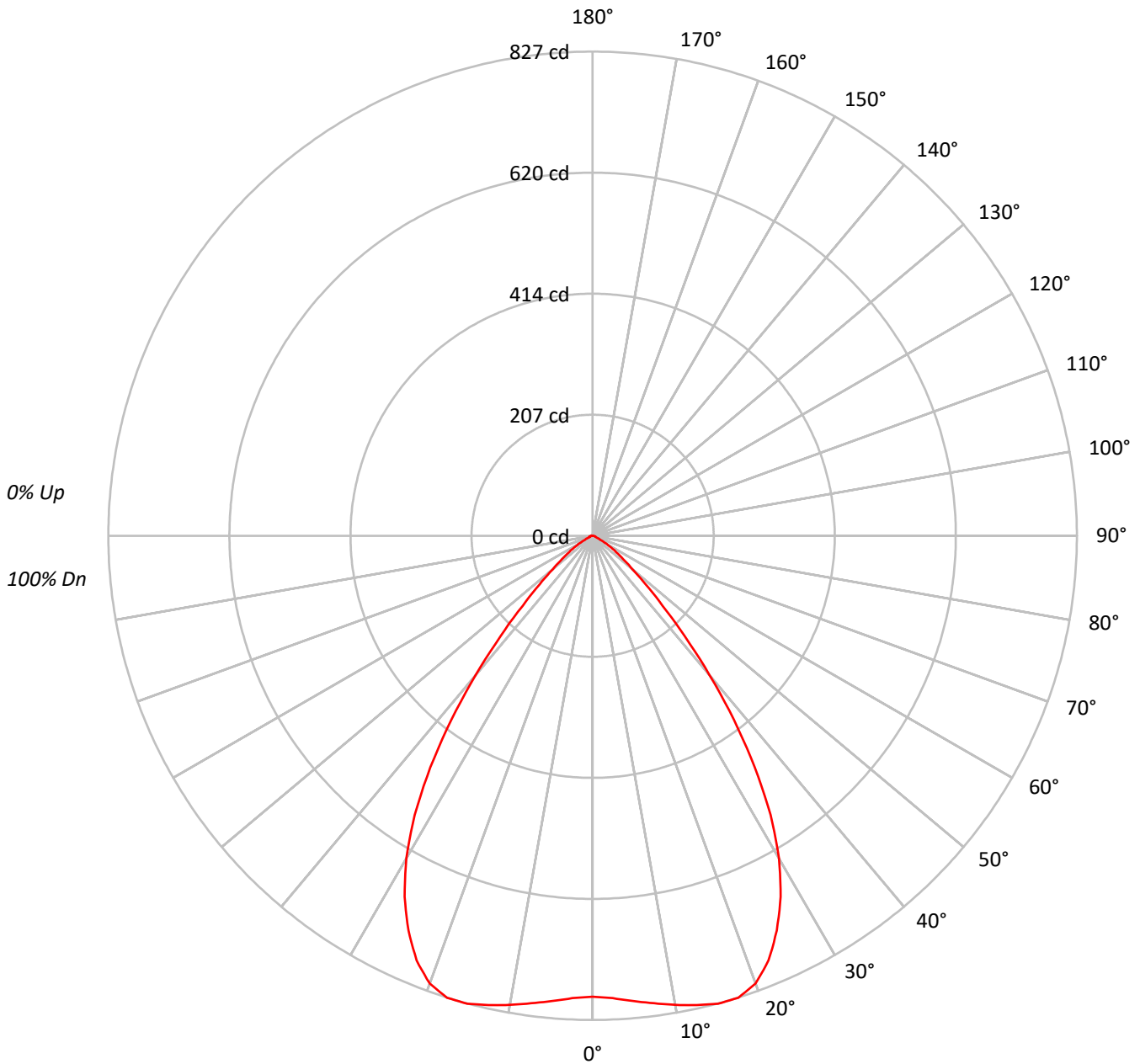
Lumens per Lamp: N/A
Luminaire Lumens: 1148.5 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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				
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	100	100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92	92	92	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84	84	84	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76	76	76	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70	70	70	70
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64	64	64	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58	58	58	58
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54	54	54	54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50	50	50	50
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46	46	46	46
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43160
5°	43908
10°	45295
15°	46958
20°	47470
25°	45003
30°	40272
35°	32317
40°	22235
45°	13110
50°	7573
55°	4750
60°	2895
65°	1375
70°	850
75°	890
80°	1010
85°	692

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	6.7
10°-20°	233.2	20.3
20°-30°	338.9	29.5
30°-40°	297.2	25.9
40°-50°	137.8	12.0
50°-60°	46.8	4.1
60°-70°	11.7	1.0
70°-80°	4.7	0.4
80°-90°	1.6	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°	648.7	56.5
0°-40°	945.9	82.4
0°-60°	1130.5	98.4
0°-90°	1148.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	787	
5°	798	77
15°	827	233
25°	744	339
35°	483	297
45°	169	138
55°	50	47
65°	11	12
75°	4	5
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	787.3
2.5°	790.5
5°	797.9
7.5°	805.3
10°	813.7
12.5°	821.1
15°	827.4
17.5°	827.4
20°	813.7
22.5°	785.2
25°	744.0
27.5°	695.3
30°	636.2
32.5°	565.4
35°	482.9
37.5°	396.3
40°	310.7
42.5°	232.5
45°	169.1
47.5°	122.6
50°	88.8
52.5°	65.5
55°	49.7
57.5°	38.0
60°	26.4
62.5°	14.8
65°	10.6
67.5°	6.3
70°	5.3
72.5°	5.3
75°	4.2
77.5°	4.2
80°	3.2
82.5°	2.1
85°	1.1
87.5°	1.1
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)