

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: P643223

Luminaire Tested: ML5615LSVWFL759FS1E - 596WB - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-81)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 596WB - 900LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 5" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

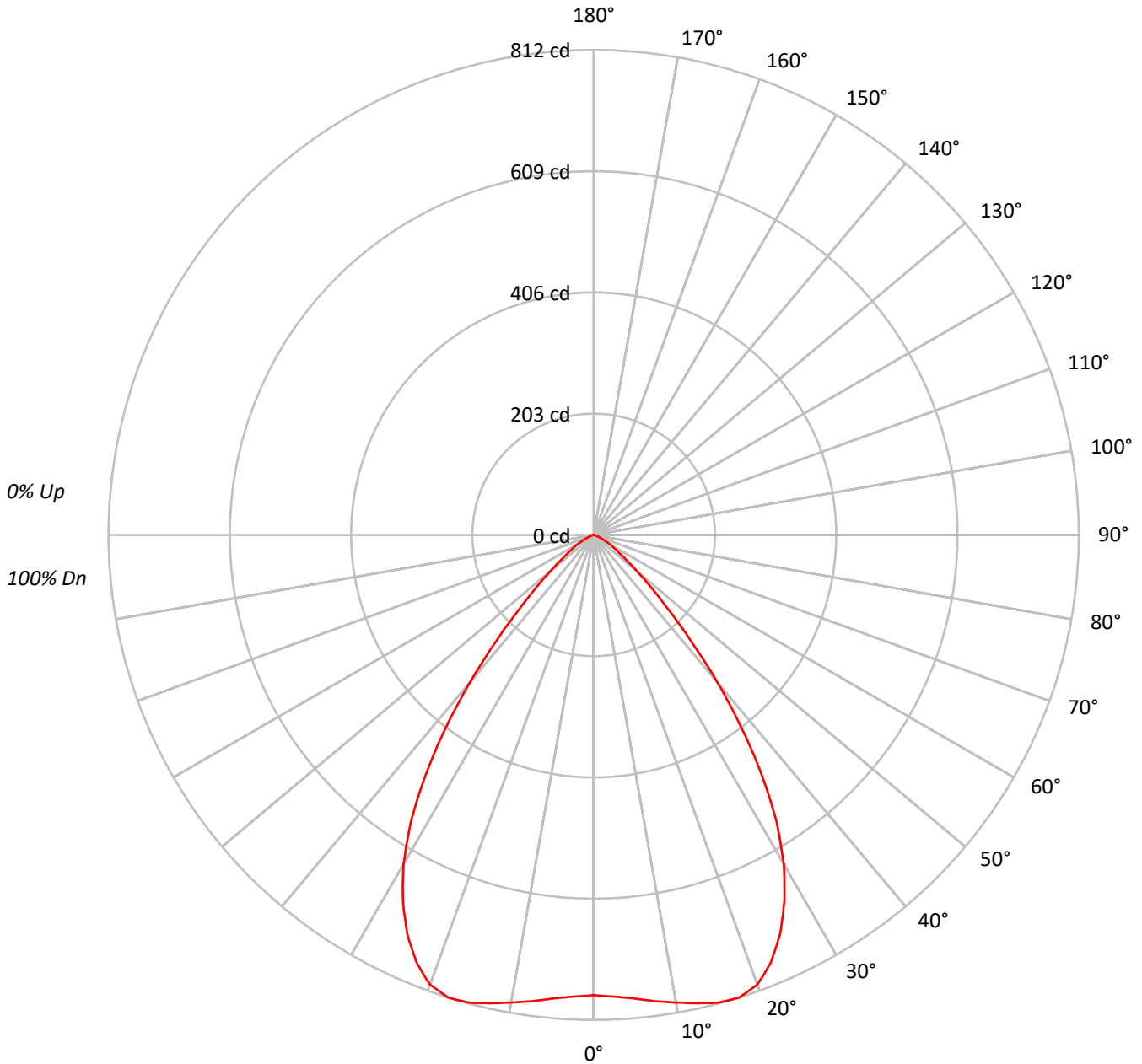
Lumens per Lamp: N/A
Luminaire Lumens: 1157.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.1
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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									50									30									10									0									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	100	100	98	96	96	95	94	92	92	83																	
	1	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92	92	92	90	87	90	87	85	83	83	76																	
	2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83	83	80	79	83	80	78	76	76	69																		
	3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	76	74	72	78	74	71	69	69	63																		
	4	94	85	79	74	92	84	78	73	82	77	73	80	75	72	78	74	71	69	69	67	65	72	68	65	63	63	58																		
	5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63	63	63	60	67	63	59	58	58	53																		
	6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58	58	58	55	63	58	55	53	53	49																		
	7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	53	53	55	60	55	51	59	54	50	49																		
	8	73	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	50	49	49	49	56	51	47	55	50	47	45																		
	9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45	45	45	56	51	47	55	50	47	45																		
	10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42	42	42	53	47	44	52	47	43	42																		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60832
5°	61730
10°	63718
15°	66255
20°	67307
25°	64264
30°	58001
35°	47269
40°	33110
45°	19704
50°	11679
55°	7129
60°	4847
65°	2764
70°	1454
75°	1281
80°	1455
85°	996

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19704 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	6.5
10°-20°	228.6	19.8
20°-30°	336.0	29.0
30°-40°	301.5	26.1
40°-50°	144.1	12.5
50°-60°	49.6	4.3
60°-70°	16.0	1.4
70°-80°	4.6	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°	639.5	55.3
0°-40°	941.0	81.3
0°-60°	1134.8	98.1
0°-90°	1157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1157.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	771	
5°	779	75
15°	811	229
25°	738	336
35°	490	302
45°	176	144
55°	52	50
65°	15	16
75°	4	5
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	770.6
2.5°	773.7
5°	779.0
7.5°	787.5
10°	794.9
12.5°	803.3
15°	810.7
17.5°	811.8
20°	801.2
22.5°	774.8
25°	737.8
27.5°	691.3
30°	636.3
32.5°	569.7
35°	490.5
37.5°	405.9
40°	321.3
42.5°	242.1
45°	176.5
47.5°	130.0
50°	95.1
52.5°	68.7
55°	51.8
57.5°	40.2
60°	30.7
62.5°	22.2
65°	14.8
67.5°	9.5
70°	6.3
72.5°	5.3
75°	4.2
77.5°	3.2
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)