

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: P643117

Luminaire Tested: ML5615LSVWFL759FS1E - 593BB - 900LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-75)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 593BB - 900LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 5" BLACK BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1056.3 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.09
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

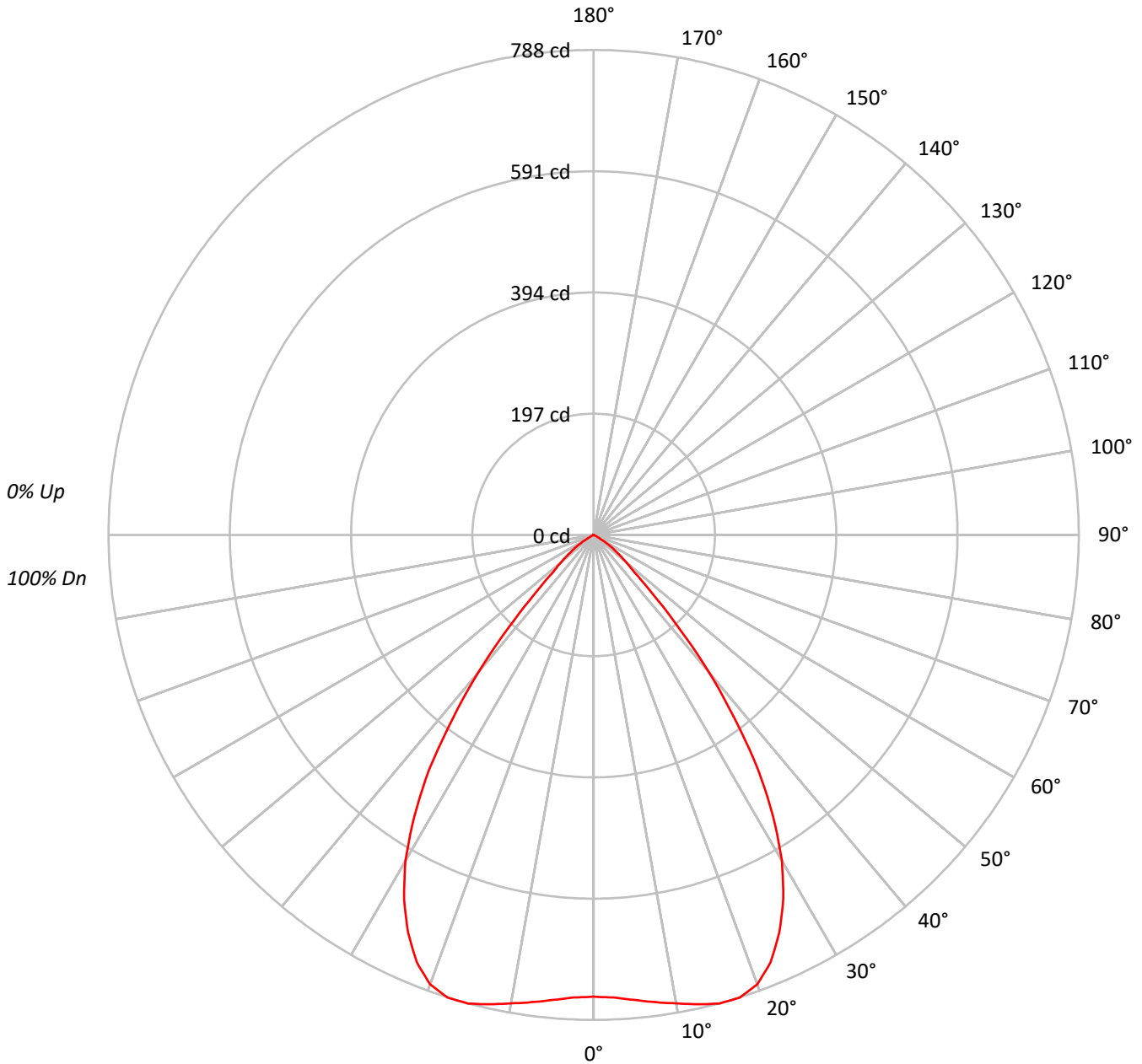
Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	111	108	105	103	104	102	100	100	99	97	97	95	94	92																																				
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85																																				
3	101	94	88	84	99	92	87	83	90	85	82	87	83	81	85	82	79	78																																				
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71																																				
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65																																				
6	84	74	68	63	83	74	67	63	72	66	62	70	66	62	69	65	61	60																																				
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55																																				
8	75	64	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51																																				
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47																																				
10	67	56	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59229
5°	60105
10°	61955
15°	64424
20°	65274
25°	62121
30°	55722
35°	44927
40°	30122
45°	15049
50°	8474
55°	5106
60°	1784
65°	187
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15049 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	6.9
10°-20°	222.1	21.0
20°-30°	324.7	30.7
30°-40°	284.4	26.9
40°-50°	115.5	10.9
50°-60°	33.7	3.2
60°-70°	3.1	0.3
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°	619.7	58.7
0°-40°	904.1	85.6
0°-60°	1053.2	99.7
0°-90°	1056.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	750	
5°	758	73
15°	788	222
25°	713	325
35°	466	284
45°	135	115
55°	37	34
65°	1	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	750.3
2.5°	752.3
5°	758.5
7.5°	765.7
10°	772.9
12.5°	781.1
15°	788.3
17.5°	788.3
20°	777.0
22.5°	751.3
25°	713.2
27.5°	666.9
30°	611.3
32.5°	542.4
35°	466.2
37.5°	375.6
40°	292.3
42.5°	203.8
45°	134.8
47.5°	89.5
50°	69.0
52.5°	51.5
55°	37.1
57.5°	23.7
60°	11.3
62.5°	6.2
65°	1.0
67.5°	0.0
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)