

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: P643133

Luminaire Tested: ML5615LSVWFL759FS1E - 593SNB - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 593SNB - 900LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 5" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1114.7 lumens
Efficiency: N/A
Efficacy: 106.2 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

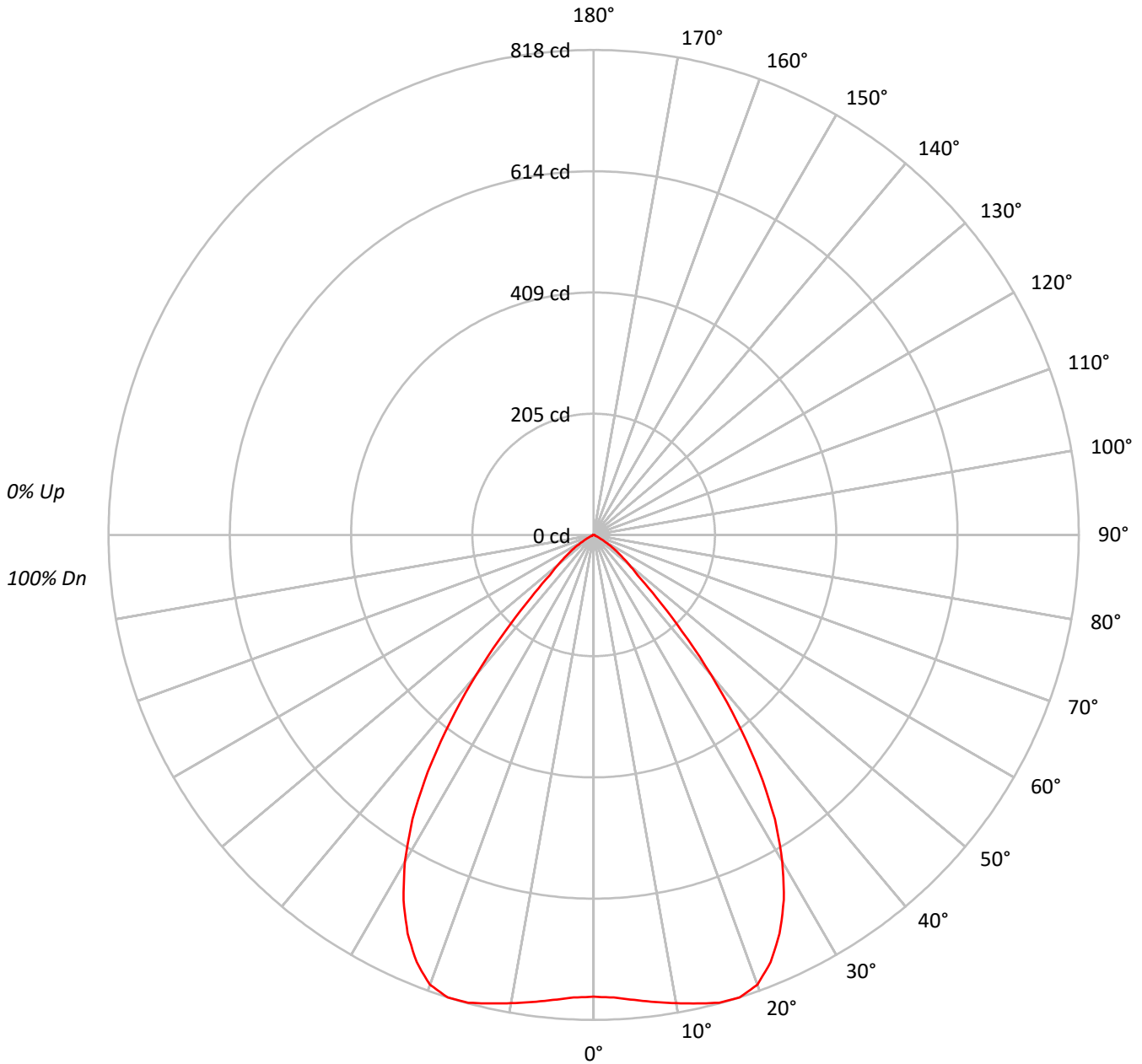
Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									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	96	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	74	69	66	65																											
6	84	74	67	63	82	73	67	62	72	66	62	70	65	61	69	64	61	59																											
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55																											
8	75	64	57	53	73	63	57	53	62	57	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	56	49	45	55	49	45	54	49	45	53	48	45	43																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61487
5°	62388
10°	64295
15°	66762
20°	67827
25°	64621
30°	57992
35°	46951
40°	31688
45°	16634
50°	9604
55°	5959
60°	2668
65°	785
70°	485
75°	336
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16634 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	6.8
10°-20°	230.4	20.7
20°-30°	337.6	30.3
30°-40°	298.2	26.8
40°-50°	125.9	11.3
50°-60°	39.8	3.6
60°-70°	5.9	0.5
70°-80°	1.1	0.1
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°	643.7	57.7
0°-40°	941.9	84.5
0°-60°	1107.6	99.4
0°-90°	1114.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	779	
5°	787	76
15°	817	230
25°	742	338
35°	487	298
45°	149	126
55°	43	40
65°	4	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	778.9
2.5°	781.0
5°	787.3
7.5°	794.7
10°	802.1
12.5°	809.5
15°	816.9
17.5°	818.0
20°	807.4
22.5°	779.9
25°	741.9
27.5°	694.3
30°	636.2
32.5°	568.6
35°	487.2
37.5°	397.4
40°	307.5
42.5°	220.9
45°	149.0
47.5°	100.4
50°	78.2
52.5°	59.2
55°	43.3
57.5°	29.6
60°	16.9
62.5°	8.5
65°	4.2
67.5°	2.1
70°	2.1
72.5°	1.1
75°	1.1
77.5°	1.1
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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