

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: P643162

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

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-74)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 593WB - 900LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 5" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1106.7 lumens
Efficiency: N/A
Efficacy: 105.4 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

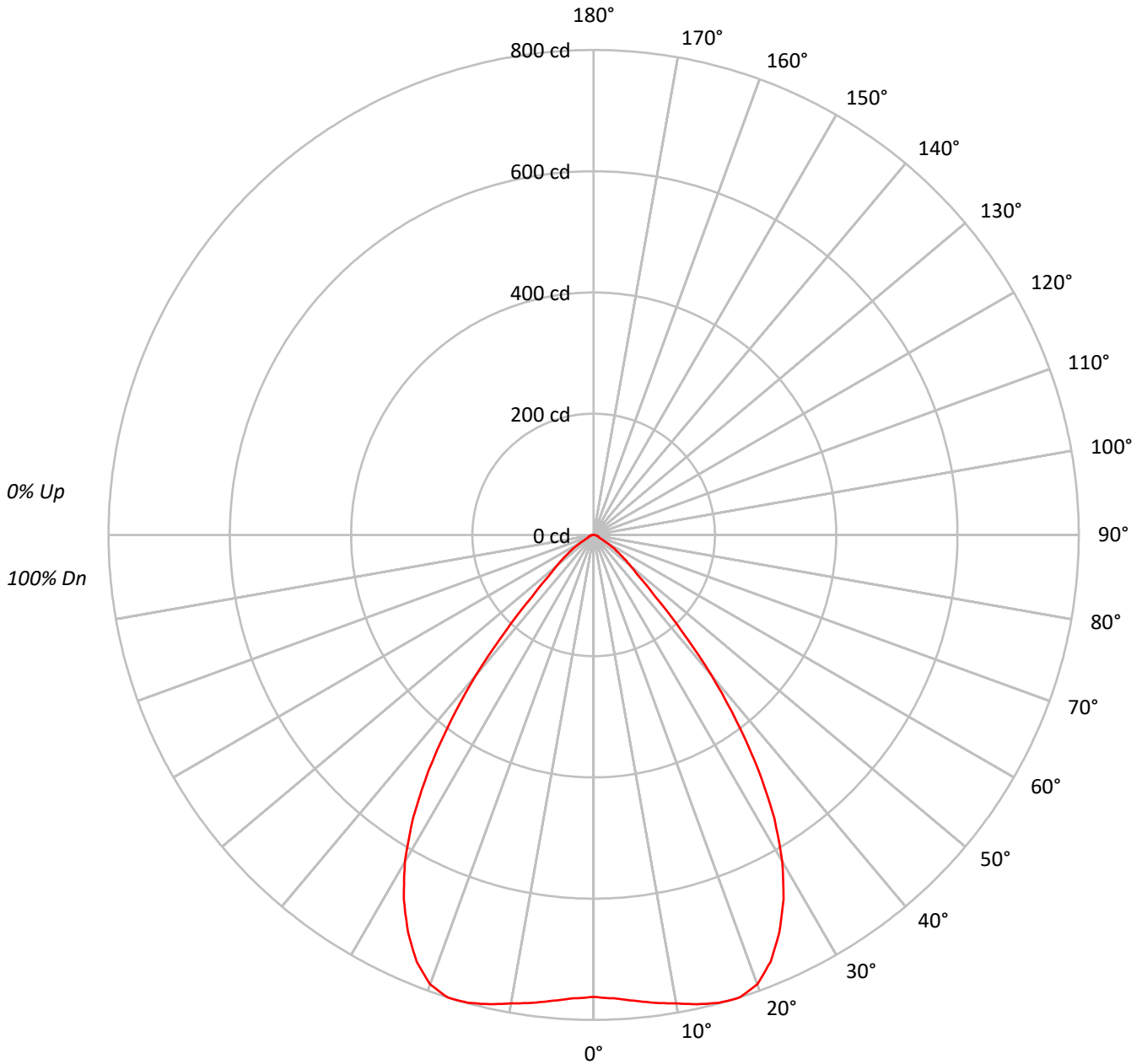
Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	
1	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92			92	
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84			84	
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76			76	
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70	
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64			64	
6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59			59	
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54			54	
8	74	63	57	52	73	63	56	52	62	56	52	61	55	51	60	55	51	50			50	
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46	
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43			43	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60161
5°	61128
10°	62901
15°	65307
20°	66265
25°	63062
30°	56715
35°	45689
40°	31049
45°	16076
50°	9849
55°	6510
60°	3252
65°	1924
70°	1893
75°	1891
80°	1864
85°	1902

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16076 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	6.7
10°-20°	225.4	20.4
20°-30°	329.8	29.8
30°-40°	290.8	26.3
40°-50°	123.2	11.1
50°-60°	42.9	3.9
60°-70°	11.9	1.1
70°-80°	6.5	0.6
80°-90°	2.2	0.2
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°	629.2	56.9
0°-40°	920.0	83.1
0°-60°	1086.0	98.1
0°-90°	1106.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1106.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	762	
5°	771	74
15°	799	225
25°	724	330
35°	474	291
45°	144	123
55°	47	43
65°	10	12
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	762.1
2.5°	765.2
5°	771.4
7.5°	778.6
10°	784.7
12.5°	793.0
15°	799.1
17.5°	800.2
20°	788.8
22.5°	762.1
25°	724.0
27.5°	677.8
30°	622.2
32.5°	554.3
35°	474.1
37.5°	386.7
40°	301.3
42.5°	213.9
45°	144.0
47.5°	99.8
50°	80.2
52.5°	61.7
55°	47.3
57.5°	33.9
60°	20.6
62.5°	14.4
65°	10.3
67.5°	9.3
70°	8.2
72.5°	7.2
75°	6.2
77.5°	5.1
80°	4.1
82.5°	3.1
85°	2.1
87.5°	1.0
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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