

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: P643233

Luminaire Tested: ML5615LSVWFL759FS1E - 691WB - 1500LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-82)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 691WB - 1500LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" DEADFRONT TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1795.6 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

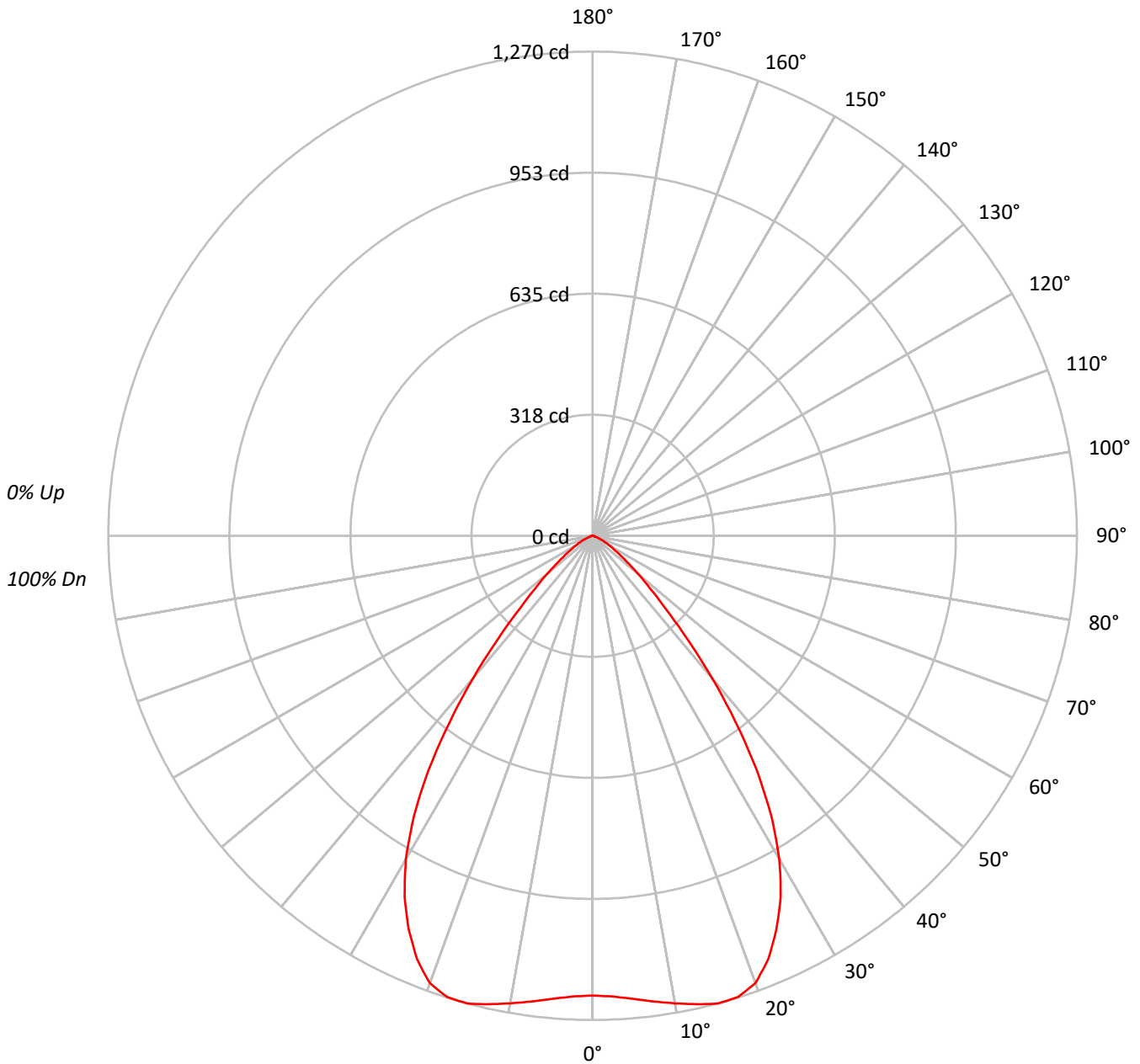
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66113
5°	67087
10°	69326
15°	72083
20°	72847
25°	68974
30°	61991
35°	50139
40°	34801
45°	20894
50°	13313
55°	8325
60°	5581
65°	3619
70°	1843
75°	1038
80°	1042
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20894 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	6.5
10°-20°	357.6	19.9
20°-30°	520.0	29.0
30°-40°	460.4	25.6
40°-50°	221.3	12.3
50°-60°	82.4	4.6
60°-70°	28.2	1.6
70°-80°	6.3	0.3
80°-90°	2.2	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°	994.8	55.4
0°-40°	1455.2	81.0
0°-60°	1758.9	98.0
0°-90°	1795.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1795.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1206	
5°	1219	117
15°	1270	358
25°	1140	520
35°	749	460
45°	270	221
55°	87	82
65°	28	28
75°	5	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1206.0
2.5°	1209.3
5°	1219.1
7.5°	1232.3
10°	1245.4
12.5°	1258.6
15°	1270.1
17.5°	1268.4
20°	1248.7
22.5°	1202.7
25°	1140.3
27.5°	1068.0
30°	979.3
32.5°	872.5
35°	749.2
37.5°	616.1
40°	486.3
42.5°	366.4
45°	269.5
47.5°	203.7
50°	156.1
52.5°	115.0
55°	87.1
57.5°	65.7
60°	50.9
62.5°	39.4
65°	27.9
67.5°	16.4
70°	11.5
72.5°	6.6
75°	4.9
77.5°	4.9
80°	3.3
82.5°	3.3
85°	1.6
87.5°	1.6
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)