

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: P643380

Luminaire Tested: ML5615LSVWFL759FS1E - 696WB - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-92)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 696WB - 1200LM - 5000K
Description: ML56 RR, 75D TIR OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1577.9 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

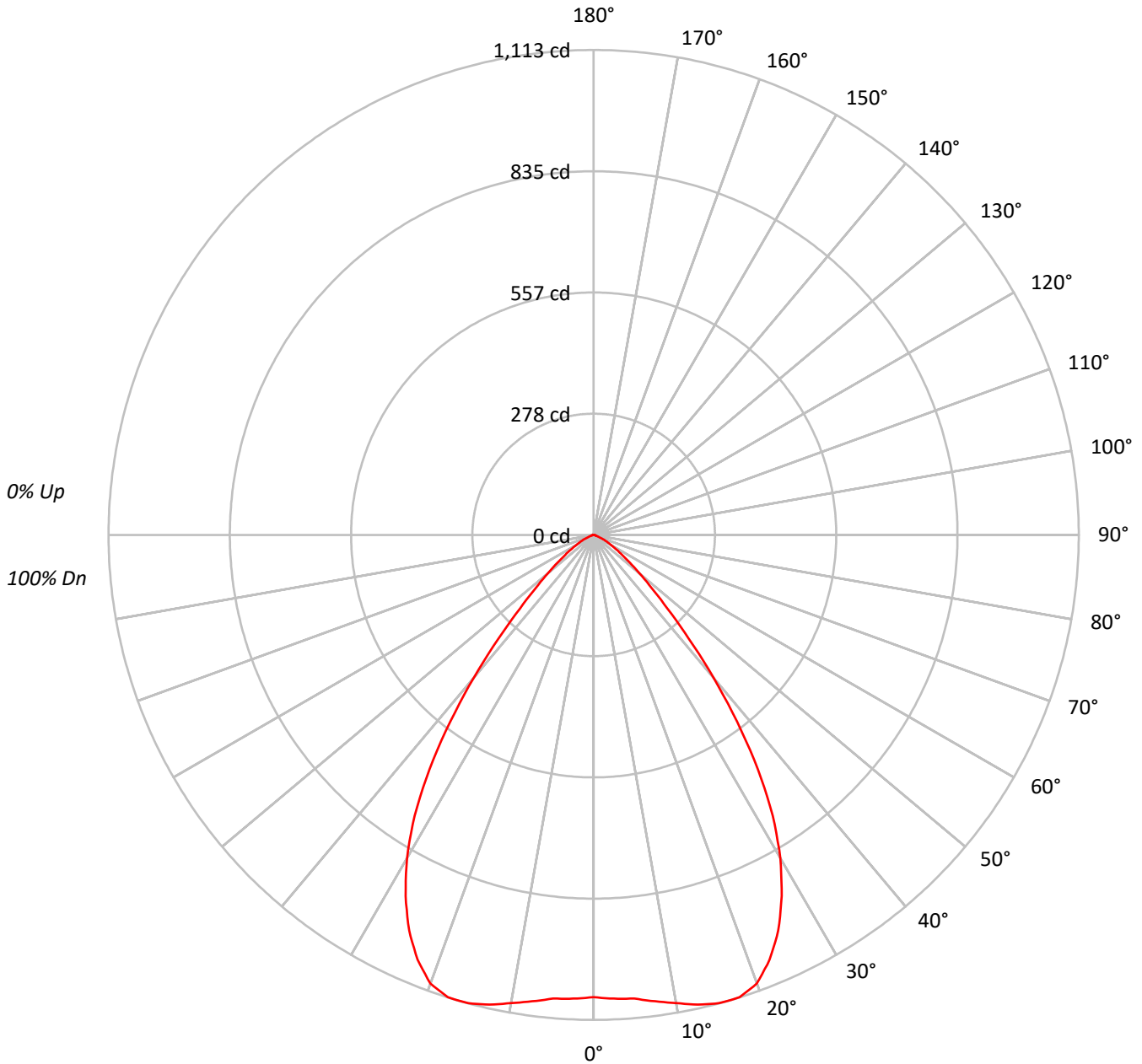
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	99	98	96	96	95	94	92																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76																			
4	94	85	79	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69																			
5	88	78	72	67	86	77	71	66	75	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	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53																			
8	73	63	56	51	72	62	56	51	61	55	51	60	54	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	64	54	48	44	53	48	44	52	47	43	52	47	43	42																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58159
5°	58777
10°	60737
15°	63150
20°	63904
25°	60608
30°	54236
35°	43968
40°	30557
45°	18498
50°	11769
55°	7560
60°	5043
65°	3360
70°	1619
75°	911
80°	916
85°	881

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18498 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	6.5
10°-20°	313.6	19.9
20°-30°	455.9	28.9
30°-40°	403.6	25.6
40°-50°	195.0	12.4
50°-60°	74.3	4.7
60°-70°	25.6	1.6
70°-80°	5.1	0.3
80°-90°	1.9	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°	872.2	55.3
0°-40°	1275.9	80.9
0°-60°	1545.2	97.9
0°-90°	1577.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1577.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1061	
5°	1068	103
15°	1113	314
25°	1002	456
35°	657	404
45°	239	195
55°	79	74
65°	26	26
75°	4	5
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1060.9
2.5°	1065.2
5°	1068.1
7.5°	1079.6
10°	1091.1
12.5°	1104.1
15°	1112.7
17.5°	1112.7
20°	1095.4
22.5°	1055.2
25°	1002.0
27.5°	934.4
30°	856.8
32.5°	764.8
35°	657.0
37.5°	540.5
40°	427.0
42.5°	323.5
45°	238.6
47.5°	178.3
50°	138.0
52.5°	104.9
55°	79.1
57.5°	58.9
60°	46.0
62.5°	34.5
65°	25.9
67.5°	15.8
70°	10.1
72.5°	5.8
75°	4.3
77.5°	2.9
80°	2.9
82.5°	2.9
85°	1.4
87.5°	1.4
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)