

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: P643608

Luminaire Tested: ML5615LSVWFL9FS1E - 692SC - 1500LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-106)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 692SC - 1500LM - 3500K
Description: ML56 RR, MILKY OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1702.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.69
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

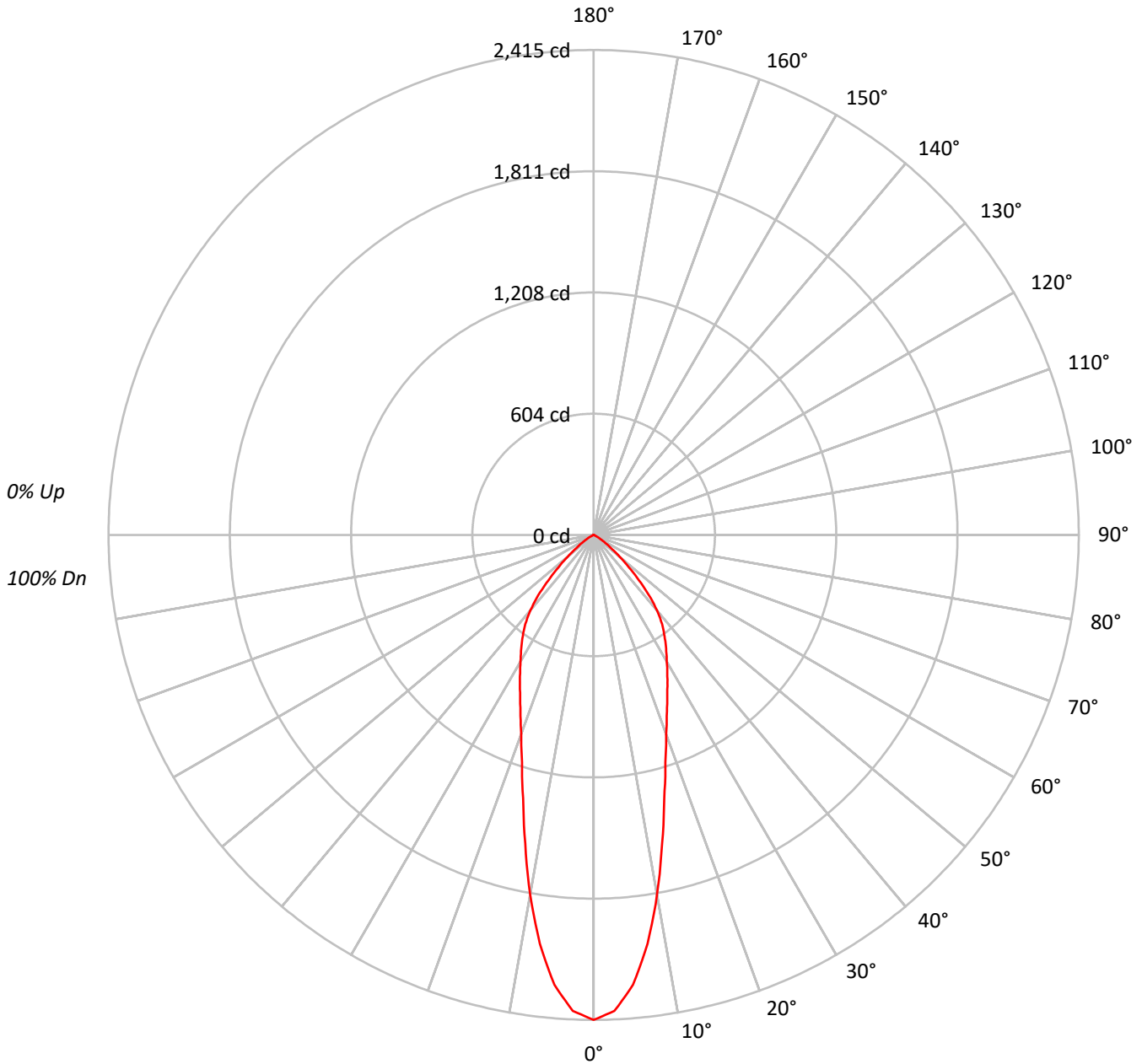
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									20
RC	80									50									30									10									0									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											100																	
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93											93																	
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85											85																	
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78											78																	
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71											71																	
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66											66																	
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61											61																	
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56											56																	
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52											52																	
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49											49																	
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46											46																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132396
5°	123762
10°	101217
15°	76975
20°	61477
25°	52406
30°	46102
35°	41151
40°	35059
45°	24723
50°	14439
55°	7541
60°	3421
65°	1064
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24723 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	11.8
10°-20°	382.4	22.5
20°-30°	401.0	23.6
30°-40°	382.5	22.5
40°-50°	246.8	14.5
50°-60°	76.6	4.5
60°-70°	11.2	0.7
70°-80°	0.6	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°	984.1	57.8
0°-40°	1366.7	80.3
0°-60°	1690.1	99.3
0°-90°	1702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1702.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2415	
5°	2249	201
15°	1356	382
25°	866	401
35°	615	383
45°	319	247
55°	79	77
65°	8	11
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2415.1
2.5°	2372.3
5°	2249.0
7.5°	2053.4
10°	1818.3
12.5°	1573.3
15°	1356.3
17.5°	1187.0
20°	1053.8
22.5°	951.9
25°	866.4
27.5°	794.1
30°	728.3
32.5°	670.8
35°	614.9
37.5°	559.0
40°	489.9
42.5°	407.7
45°	318.9
47.5°	236.7
50°	169.3
52.5°	116.7
55°	78.9
57.5°	51.0
60°	31.2
62.5°	18.1
65°	8.2
67.5°	3.3
70°	1.6
72.5°	1.6
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)