

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: P643660

Luminaire Tested: ML5615LSVWFL9FS1E - 693SNB - 900LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-111)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 693SNB - 900LM - 5000K
Description: ML56 RR, MILKY OPTIC, 6" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1029.4 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

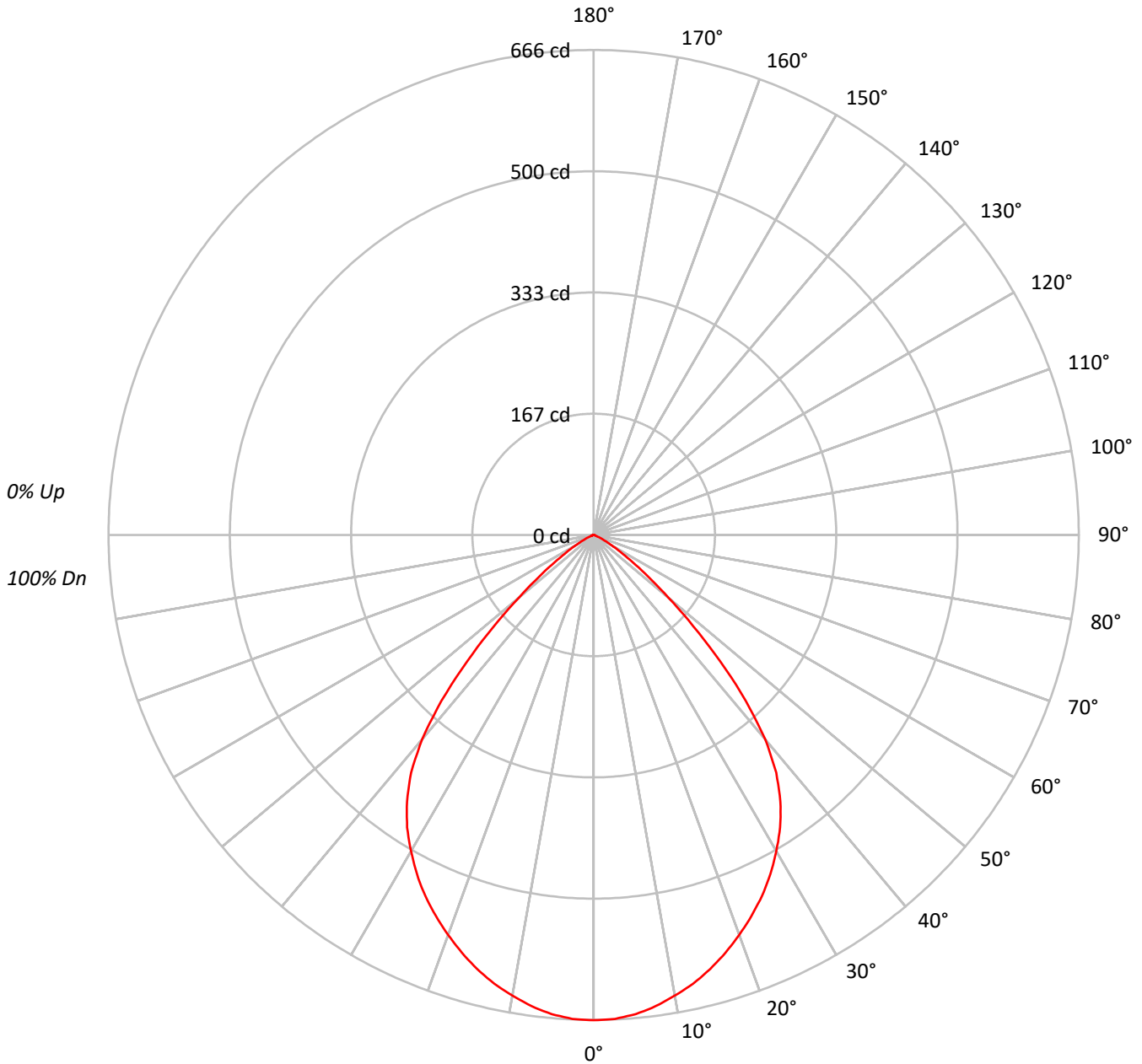
Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91																			
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74																			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	69	76	72	69	67																			
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60																			
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55																			
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50																			
8	71	60	53	48	70	59	53	48	58	52	48	57	52	47	56	51	47	46																			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42																			
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36532
5°	36358
10°	35765
15°	35046
20°	34099
25°	33087
30°	31745
35°	29908
40°	26206
45°	19041
50°	11445
55°	6193
60°	3114
65°	1323
70°	369
75°	233
80°	347
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19041 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	6.1
10°-20°	173.8	16.9
20°-30°	251.3	24.4
30°-40°	276.2	26.8
40°-50°	189.3	18.4
50°-60°	62.7	6.1
60°-70°	11.5	1.1
70°-80°	1.6	0.2
80°-90°	0.4	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°	487.6	47.4
0°-40°	763.8	74.2
0°-60°	1015.7	98.7
0°-90°	1029.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1029.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	666	
5°	661	62
15°	618	174
25°	547	251
35°	447	276
45°	246	189
55°	65	63
65°	10	12
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	666.4
2.5°	665.3
5°	660.7
7.5°	652.8
10°	642.5
12.5°	631.2
15°	617.5
17.5°	601.6
20°	584.5
22.5°	566.3
25°	547.0
27.5°	525.4
30°	501.5
32.5°	476.5
35°	446.9
37.5°	411.7
40°	366.2
42.5°	309.3
45°	245.6
47.5°	185.4
50°	134.2
52.5°	94.4
55°	64.8
57.5°	43.2
60°	28.4
62.5°	17.1
65°	10.2
67.5°	4.5
70°	2.3
72.5°	2.3
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
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)