

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: P643647

Luminaire Tested: ML5615LSVWFL9FS1E - 693SNB - 1200LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643647
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 - 1200LM - 3000K
Description: ML56 RR, MILKY OPTIC, 6" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

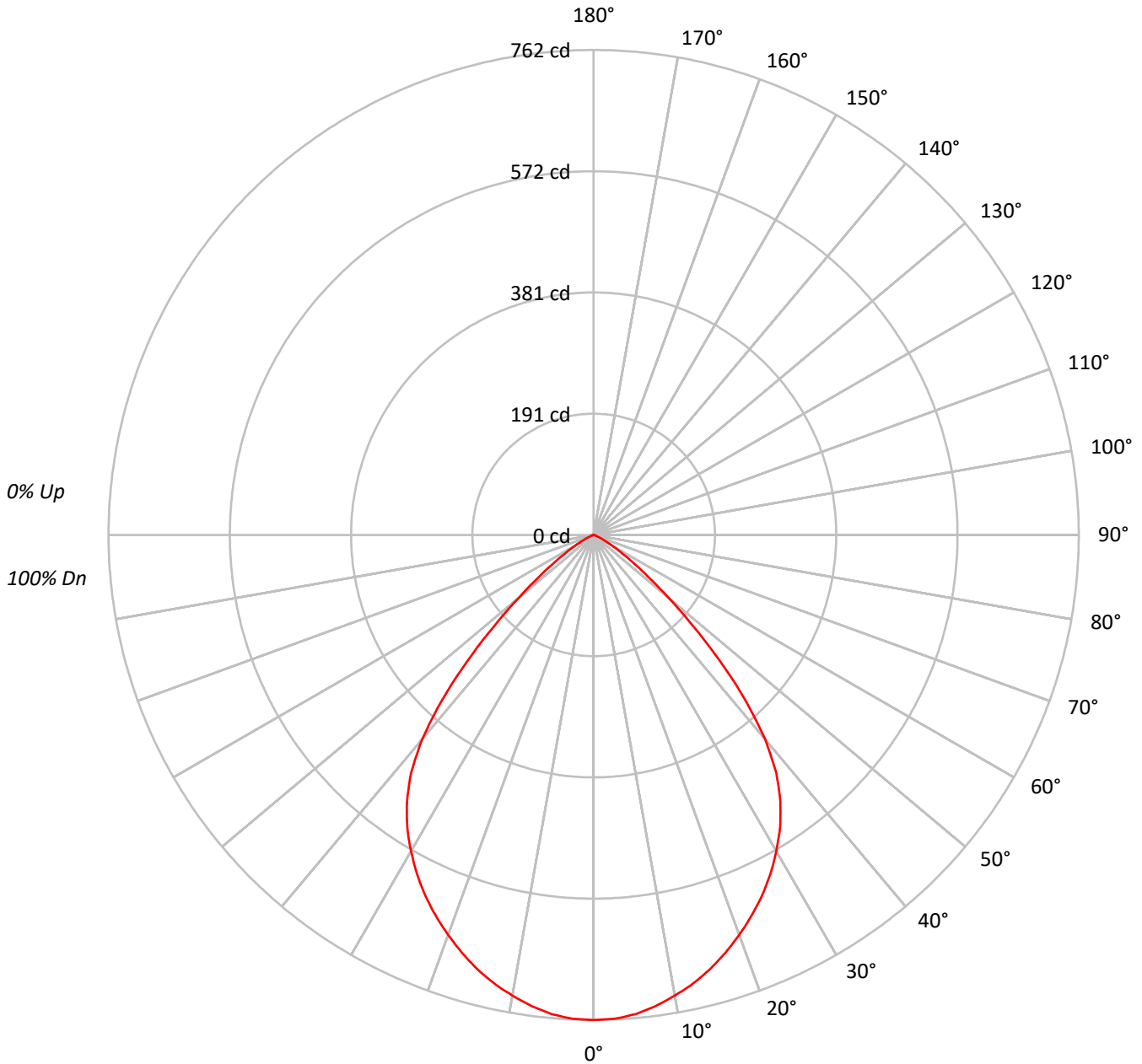
Lumens per Lamp: N/A
Luminaire Lumens: 1177.5 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41789
5°	41591
10°	40914
15°	40091
20°	39005
25°	37847
30°	36316
35°	34211
40°	29978
45°	21785
50°	13091
55°	7082
60°	3563
65°	1518
70°	417
75°	275
80°	410
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21785 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	6.1
10°-20°	198.8	16.9
20°-30°	287.5	24.4
30°-40°	315.9	26.8
40°-50°	216.5	18.4
50°-60°	71.8	6.1
60°-70°	13.2	1.1
70°-80°	1.9	0.2
80°-90°	0.5	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°	557.7	47.4
0°-40°	873.7	74.2
0°-60°	1161.9	98.7
0°-90°	1177.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1177.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	762	
5°	756	71
15°	706	199
25°	626	288
35°	511	316
45°	281	216
55°	74	72
65°	12	13
75°	1	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	762.3
2.5°	761.0
5°	755.8
7.5°	746.7
10°	735.0
12.5°	722.0
15°	706.4
17.5°	688.2
20°	668.6
22.5°	647.8
25°	625.7
27.5°	601.0
30°	573.7
32.5°	545.1
35°	511.2
37.5°	470.9
40°	418.9
42.5°	353.8
45°	281.0
47.5°	212.0
50°	153.5
52.5°	108.0
55°	74.1
57.5°	49.4
60°	32.5
62.5°	19.5
65°	11.7
67.5°	5.2
70°	2.6
72.5°	2.6
75°	1.3
77.5°	1.3
80°	1.3
82.5°	1.3
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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