

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P643651

Luminaire Tested: ML5615LSVWFL9FS1E - 693SNB - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643651
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 - 1500LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

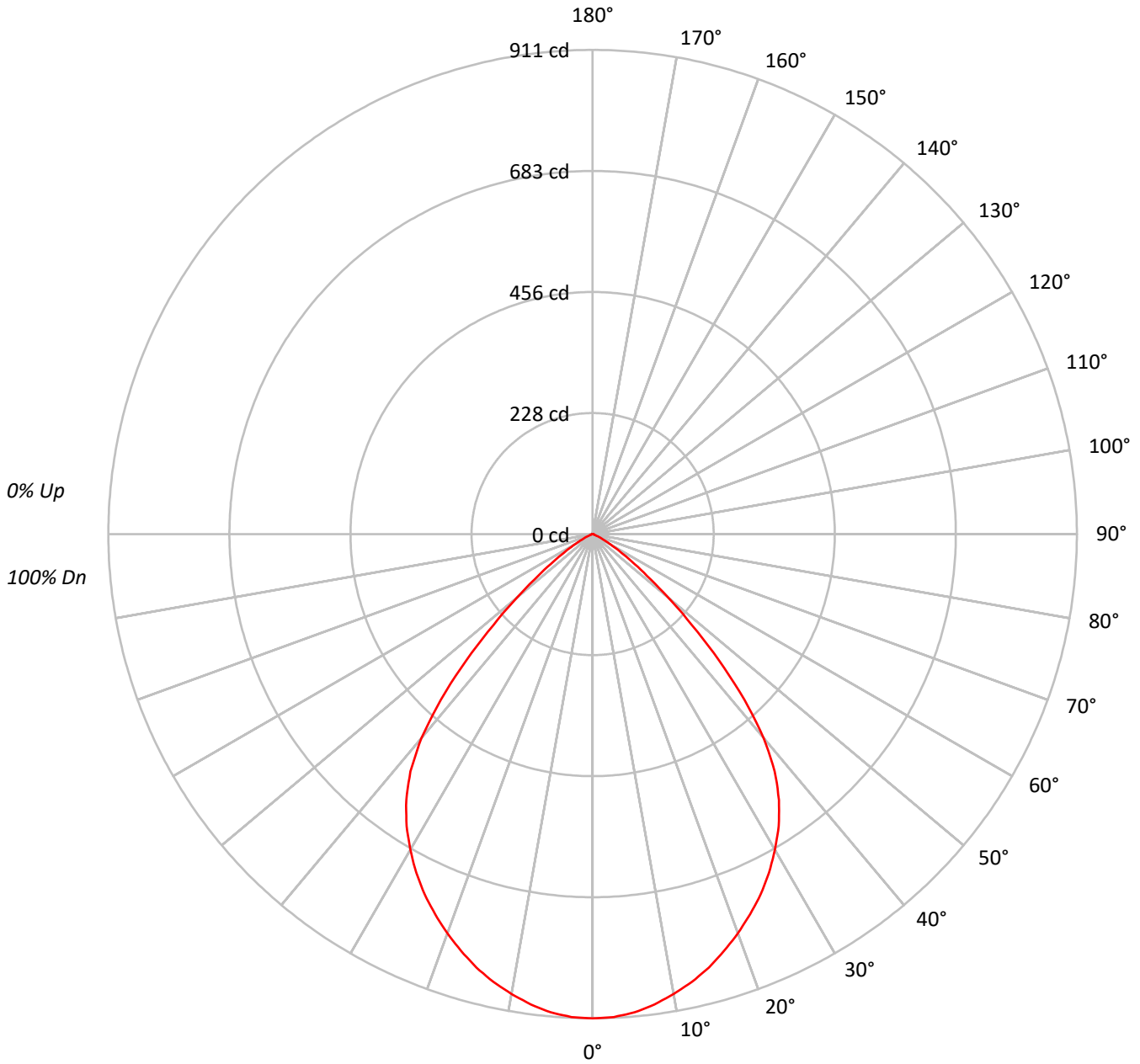
Lumens per Lamp: N/A
Luminaire Lumens: 1407.6 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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									
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			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°	49952
5°	49714
10°	48902
15°	47917
20°	46624
25°	45238
30°	43405
35°	40897
40°	35831
45°	26041
50°	15650
55°	8468
60°	4265
65°	1816
70°	497
75°	339
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26041 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	6.1
10°-20°	237.6	16.9
20°-30°	343.7	24.4
30°-40°	377.6	26.8
40°-50°	258.8	18.4
50°-60°	85.8	6.1
60°-70°	15.8	1.1
70°-80°	2.3	0.2
80°-90°	0.7	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°	666.7	47.4
0°-40°	1044.3	74.2
0°-60°	1388.8	98.7
0°-90°	1407.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	911	
5°	903	85
15°	844	238
25°	748	344
35°	611	378
45°	336	259
55°	89	86
65°	14	16
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	911.2
2.5°	909.6
5°	903.4
7.5°	892.5
10°	878.5
12.5°	863.0
15°	844.3
17.5°	822.5
20°	799.2
22.5°	774.3
25°	747.9
27.5°	718.4
30°	685.7
32.5°	651.5
35°	611.1
37.5°	562.9
40°	500.7
42.5°	422.9
45°	335.9
47.5°	253.4
50°	183.5
52.5°	129.1
55°	88.6
57.5°	59.1
60°	38.9
62.5°	23.3
65°	14.0
67.5°	6.2
70°	3.1
72.5°	3.1
75°	1.6
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)