

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: P643683

Luminaire Tested: ML5615LSVWFL9FS1E - 693WB - 1500LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-109)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 693WB - 1500LM - 3500K
Description: ML56 RR, MILKY OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1642.8 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.22
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

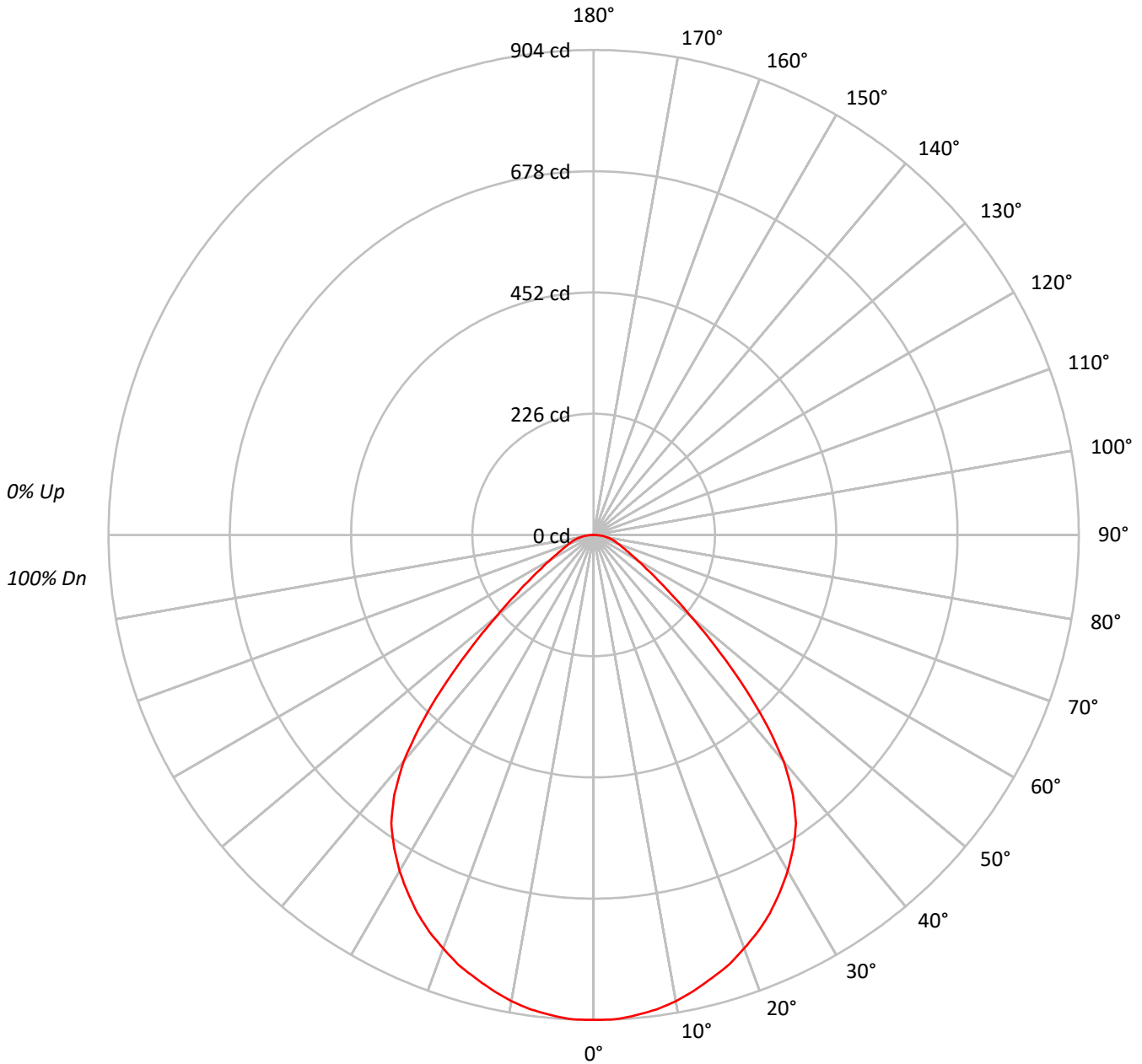
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89			89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70			70
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			62
5	83	73	65	59	81	71	64	59	70	63	58	68	62	58	66	61	57	56			56
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	50			50
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45			45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41			41
9	64	52	45	40	63	52	45	40	50	44	40	49	44	39	48	43	39	38			38
10	60	48	41	37	59	48	41	36	47	41	36	46	40	36	45	40	36	34			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49552
5°	49472
10°	49131
15°	48502
20°	47843
25°	47023
30°	45779
35°	43995
40°	39402
45°	30073
50°	20187
55°	13820
60°	10273
65°	8522
70°	7902
75°	8006
80°	7798
85°	7233

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	5.2
10°-20°	241.1	14.7
20°-30°	357.5	21.8
30°-40°	405.6	24.7
40°-50°	298.7	18.2
50°-60°	135.4	8.2
60°-70°	66.8	4.1
70°-80°	39.2	2.4
80°-90°	13.2	0.8
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°	683.9	41.6
0°-40°	1089.5	66.3
0°-60°	1523.6	92.7
0°-90°	1642.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	904	
5°	899	85
15°	855	241
25°	777	357
35°	657	406
45°	388	299
55°	145	135
65°	66	67
75°	38	39
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	903.9
2.5°	903.9
5°	899.0
7.5°	892.4
10°	882.6
12.5°	869.4
15°	854.6
17.5°	839.8
20°	820.1
22.5°	800.4
25°	777.4
27.5°	751.1
30°	723.2
32.5°	691.9
35°	657.4
37.5°	609.7
40°	550.6
42.5°	473.3
45°	387.9
47.5°	305.7
50°	236.7
52.5°	184.1
55°	144.6
57.5°	115.0
60°	93.7
62.5°	77.2
65°	65.7
67.5°	55.9
70°	49.3
72.5°	42.7
75°	37.8
77.5°	31.2
80°	24.7
82.5°	19.7
85°	11.5
87.5°	4.9
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)