

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: P643543

Luminaire Tested: ML5615LSVWFL9FS1E - 594WB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-101)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 594WB - 1200LM - 3500K
Description: ML56 RR, MILKY OPTIC, 5" WHITE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1465.9 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.28
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

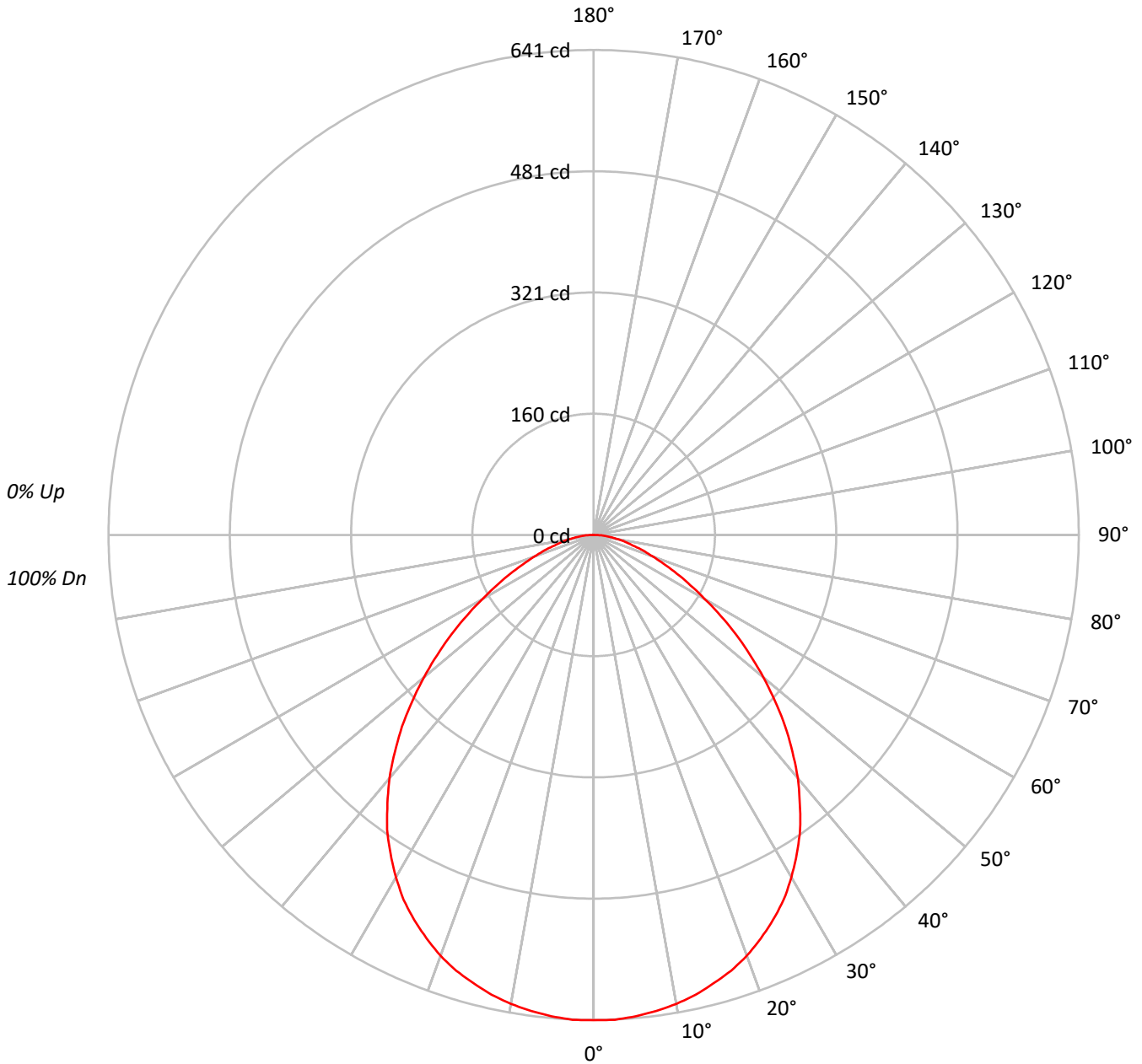
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																			
2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	74																			
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64																			
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56																			
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	60	55	51	49																			
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43																			
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39																			
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35																			
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31																			
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50633
5°	50612
10°	50452
15°	50122
20°	49724
25°	48881
30°	47628
35°	45843
40°	43240
45°	39978
50°	35934
55°	31627
60°	26793
65°	22714
70°	19111
75°	16287
80°	14593
85°	13314

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	4.1
10°-20°	173.1	11.8
20°-30°	258.2	17.6
30°-40°	296.2	20.2
40°-50°	275.1	18.8
50°-60°	205.4	14.0
60°-70°	121.6	8.3
70°-80°	58.5	4.0
80°-90°	17.1	1.2
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°	492.0	33.6
0°-40°	788.2	53.8
0°-60°	1268.7	86.5
0°-90°	1465.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1465.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	641	
5°	639	61
15°	613	173
25°	561	258
35°	476	296
45°	358	275
55°	230	205
65°	122	122
75°	53	58
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	641.4
2.5°	641.4
5°	638.7
7.5°	634.7
10°	629.4
12.5°	622.7
15°	613.3
17.5°	604.0
20°	591.9
22.5°	577.2
25°	561.2
27.5°	543.8
30°	522.5
32.5°	499.7
35°	475.7
37.5°	447.6
40°	419.6
42.5°	388.8
45°	358.1
47.5°	324.7
50°	292.6
52.5°	260.6
55°	229.8
57.5°	199.1
60°	169.7
62.5°	144.3
65°	121.6
67.5°	100.2
70°	82.8
72.5°	68.1
75°	53.4
77.5°	42.8
80°	32.1
82.5°	22.7
85°	14.7
87.5°	9.4
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)