

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: P643677

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

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643677
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 - 1200LM - 3000K
Description: ML56 RR, MILKY OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1300.9 lumens
Efficiency: N/A
Efficacy: 97.1 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

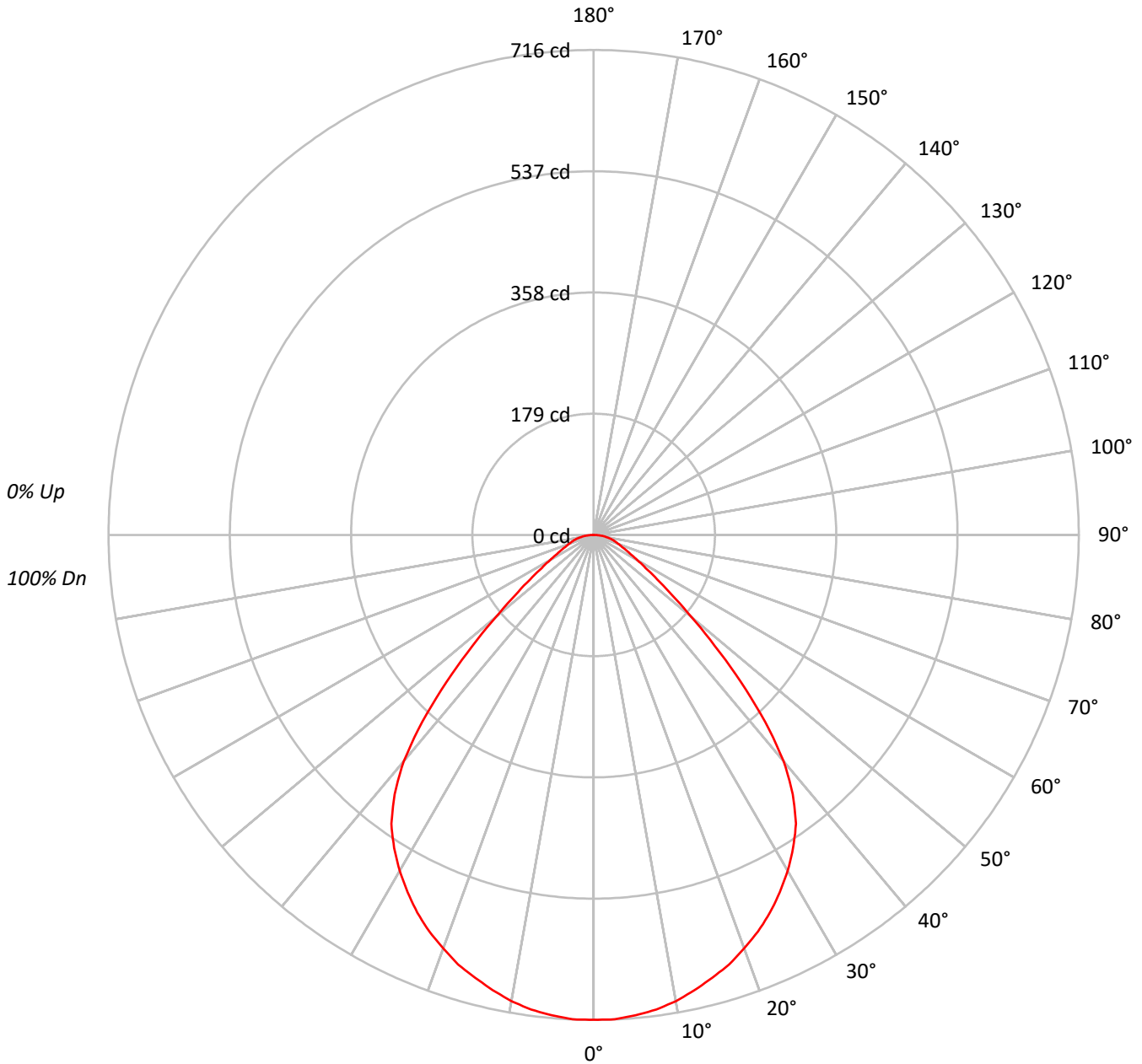
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39240
5°	39176
10°	38905
15°	38405
20°	37885
25°	37236
30°	36246
35°	34840
40°	31201
45°	23809
50°	15982
55°	10943
60°	8135
65°	6758
70°	6251
75°	6333
80°	6156
85°	5724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23809 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	5.2
10°-20°	190.9	14.7
20°-30°	283.0	21.8
30°-40°	321.2	24.7
40°-50°	236.5	18.2
50°-60°	107.2	8.2
60°-70°	52.9	4.1
70°-80°	31.0	2.4
80°-90°	10.4	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°	541.5	41.6
0°-40°	862.7	66.3
0°-60°	1206.5	92.7
0°-90°	1300.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1300.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	716	
5°	712	68
15°	677	191
25°	616	283
35°	521	321
45°	307	237
55°	114	107
65°	52	53
75°	30	31
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	715.8
2.5°	715.8
5°	711.9
7.5°	706.7
10°	698.9
12.5°	688.4
15°	676.7
17.5°	665.0
20°	649.4
22.5°	633.8
25°	615.6
27.5°	594.7
30°	572.6
32.5°	547.9
35°	520.6
37.5°	482.8
40°	436.0
42.5°	374.8
45°	307.1
47.5°	242.1
50°	187.4
52.5°	145.8
55°	114.5
57.5°	91.1
60°	74.2
62.5°	61.2
65°	52.1
67.5°	44.2
70°	39.0
72.5°	33.8
75°	29.9
77.5°	24.7
80°	19.5
82.5°	15.6
85°	9.1
87.5°	3.9
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)