

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: P643498

Luminaire Tested: ML5615LSVWFL9FS1E - 593WB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-97)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 593WB - 1200LM - 3500K
Description: ML56 RR, MILKY OPTIC, 5" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1294.6 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.14
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

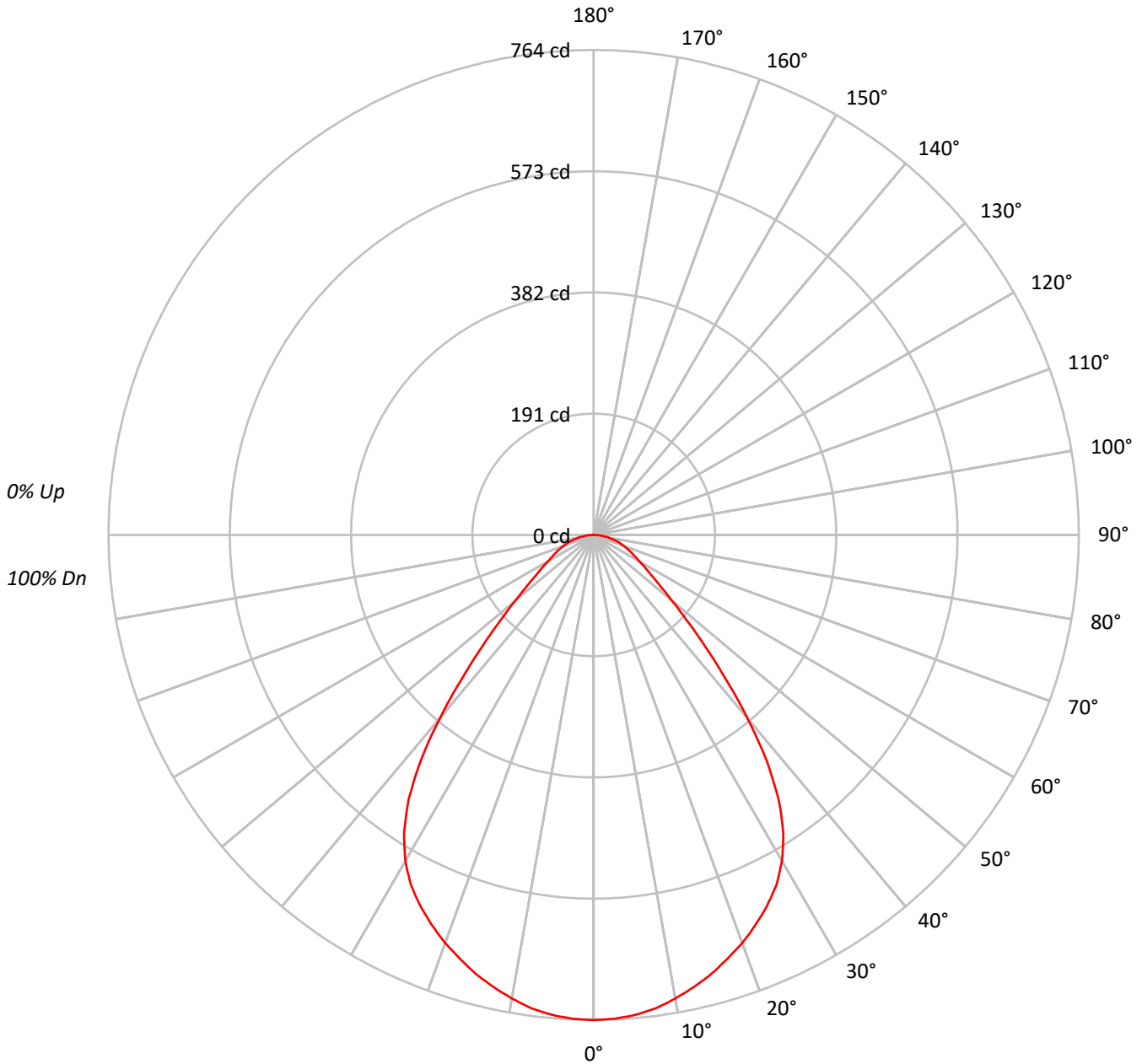
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78																			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	69																			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62																			
5	84	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56																			
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50																			
7	73	61	54	49	72	61	54	48	59	53	48	58	52	48	57	51	48	46																			
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42																			
9	65	53	45	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38																			
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60327
5°	60137
10°	59438
15°	58524
20°	57469
25°	56207
30°	54072
35°	48927
40°	38829
45°	27597
50°	19686
55°	15263
60°	13073
65°	12235
70°	11725
75°	11407
80°	10910
85°	9691

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27597 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	5.6
10°-20°	201.7	15.6
20°-30°	296.4	22.9
30°-40°	310.6	24.0
40°-50°	195.3	15.1
50°-60°	102.7	7.9
60°-70°	65.1	5.0
70°-80°	39.1	3.0
80°-90°	11.6	0.9
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°	570.1	44.0
0°-40°	880.7	68.0
0°-60°	1178.7	91.1
0°-90°	1294.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1294.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	764	
5°	759	72
15°	716	202
25°	645	296
35°	508	311
45°	247	195
55°	111	103
65°	66	65
75°	37	39
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	764.2
2.5°	762.9
5°	758.9
7.5°	752.2
10°	741.5
12.5°	729.5
15°	716.1
17.5°	700.1
20°	684.1
22.5°	665.4
25°	645.3
27.5°	622.6
30°	593.2
32.5°	555.8
35°	507.7
37.5°	446.3
40°	376.8
42.5°	307.3
45°	247.2
47.5°	197.7
50°	160.3
52.5°	132.3
55°	110.9
57.5°	96.2
60°	82.8
62.5°	73.5
65°	65.5
67.5°	57.5
70°	50.8
72.5°	44.1
75°	37.4
77.5°	29.4
80°	24.0
82.5°	16.0
85°	10.7
87.5°	4.0
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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(END OF REPORT)