

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: P643723

Luminaire Tested: ML5615LSVWFL9FS1E - 696WB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-115)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 696WB - 1200LM - 3500K
Description: ML56 RR, MILKY OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1388.5 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

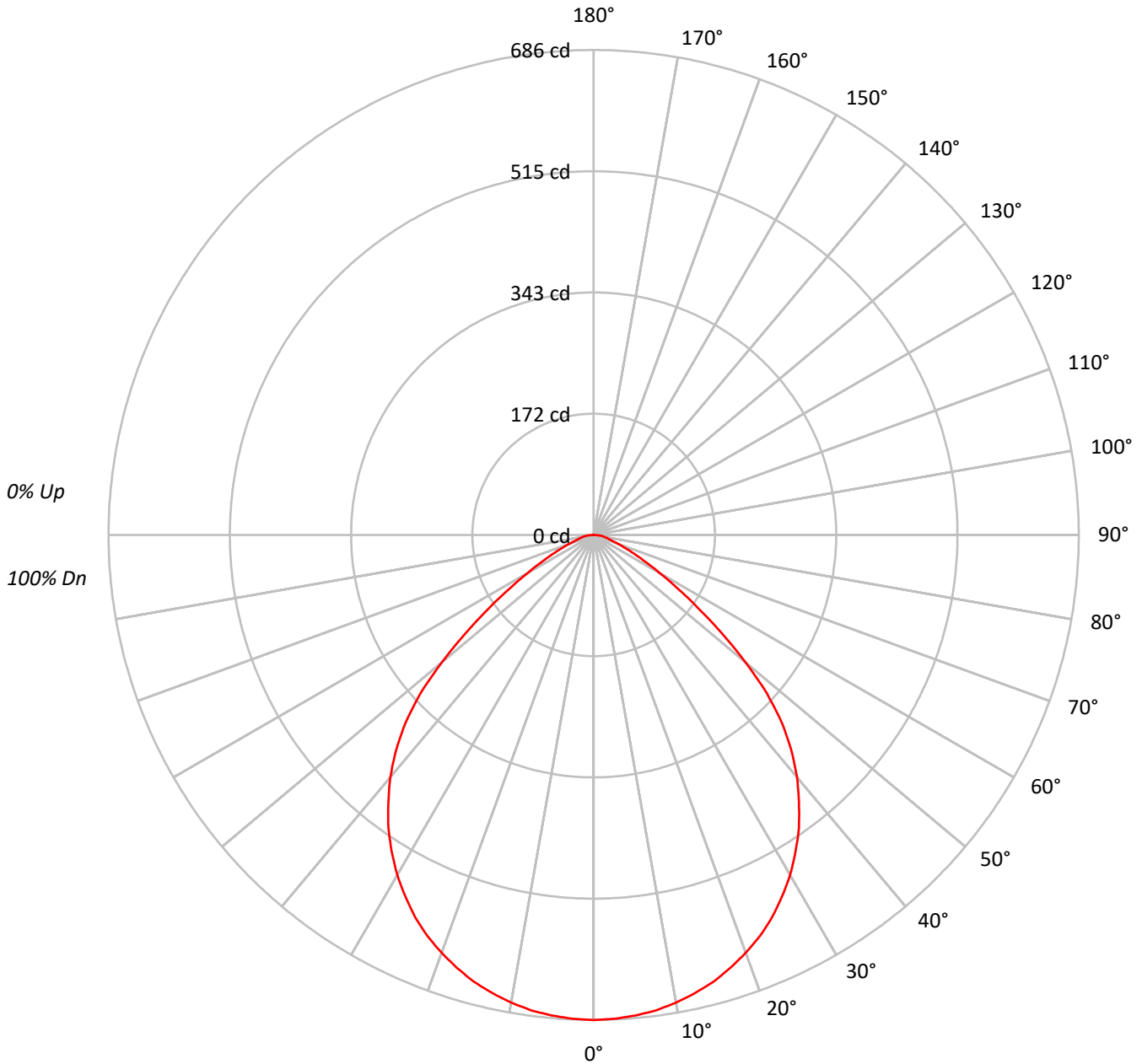
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																			
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	60																			
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53																			
6	76	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48																			
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43																			
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	44	40	39																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37623
5°	37547
10°	37385
15°	37134
20°	36689
25°	36105
30°	35164
35°	33870
40°	32010
45°	29189
50°	23914
55°	17232
60°	11863
65°	8146
70°	5786
75°	4533
80°	4641
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29189 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	4.7
10°-20°	184.4	13.3
20°-30°	274.4	19.8
30°-40°	315.2	22.7
40°-50°	286.1	20.6
50°-60°	165.2	11.9
60°-70°	65.5	4.7
70°-80°	24.6	1.8
80°-90°	8.2	0.6
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°	523.6	37.7
0°-40°	838.8	60.4
0°-60°	1290.1	92.9
0°-90°	1388.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1388.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	686	
5°	682	65
15°	654	184
25°	597	274
35°	506	315
45°	376	286
55°	180	165
65°	63	66
75°	21	25
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	686.3
2.5°	685.0
5°	682.3
7.5°	678.3
10°	671.6
12.5°	663.6
15°	654.3
17.5°	642.3
20°	628.9
22.5°	614.2
25°	596.9
27.5°	576.8
30°	555.5
32.5°	531.4
35°	506.1
37.5°	476.7
40°	447.3
42.5°	413.9
45°	376.5
47.5°	332.5
50°	280.4
52.5°	228.3
55°	180.3
57.5°	140.2
60°	108.2
62.5°	82.8
65°	62.8
67.5°	48.1
70°	36.1
72.5°	28.0
75°	21.4
77.5°	18.7
80°	14.7
82.5°	12.0
85°	8.0
87.5°	2.7
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)