

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: P643676

Luminaire Tested: ML5615LSVWFL9FS1E - 693WB - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643676
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 - 2700K
Description: ML56 RR, MILKY OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1264.8 lumens
Efficiency: N/A
Efficacy: 94.4 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

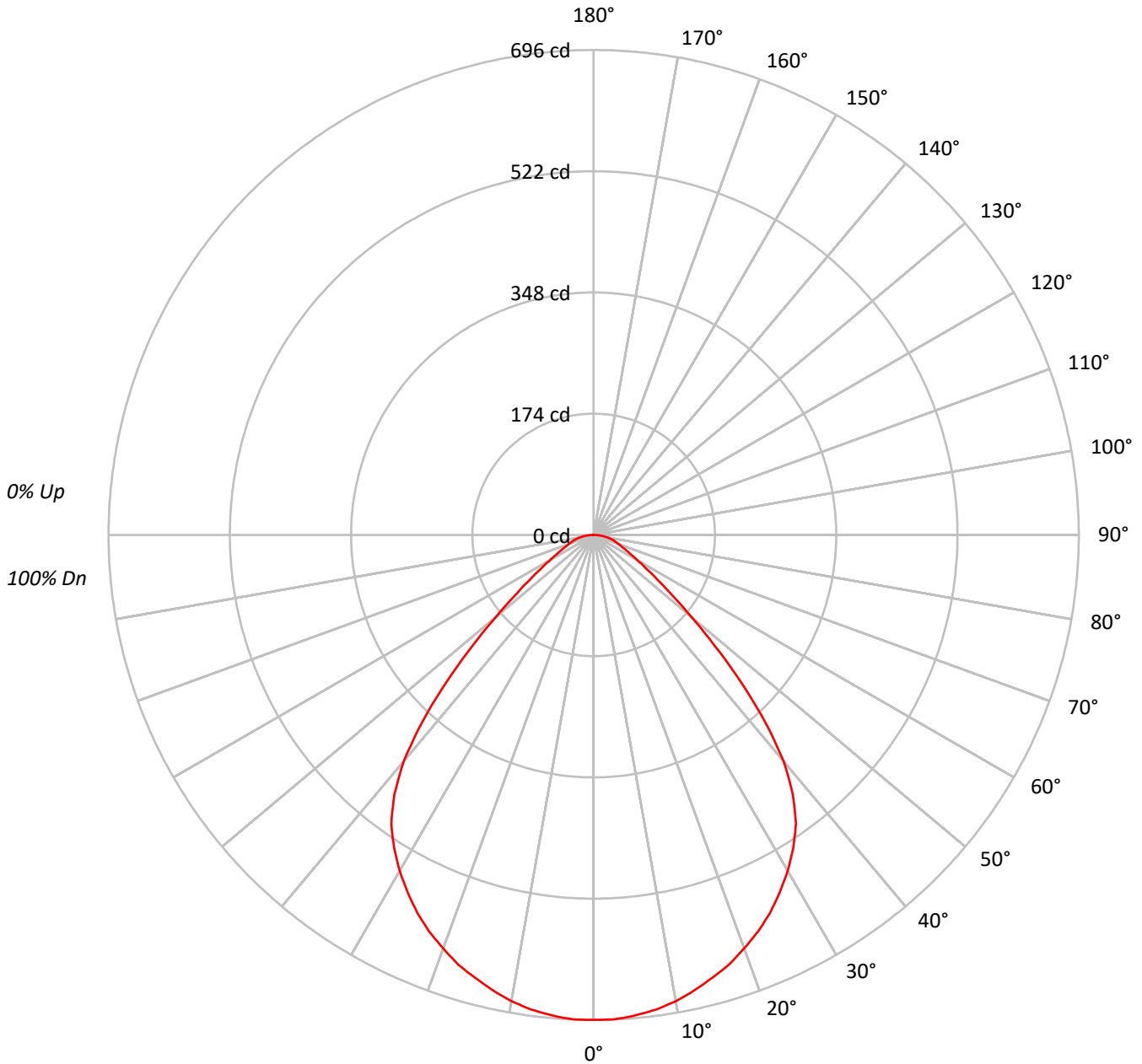
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	38149
5°	38086
10°	37819
15°	37338
20°	36835
25°	36202
30°	35240
35°	33870
40°	30335
45°	23150
50°	15539
55°	10638
60°	7905
65°	6564
70°	6091
75°	6164
80°	5998
85°	5598

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23150 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	5.2
10°-20°	185.6	14.7
20°-30°	275.2	21.8
30°-40°	312.3	24.7
40°-50°	230.0	18.2
50°-60°	104.2	8.2
60°-70°	51.4	4.1
70°-80°	30.2	2.4
80°-90°	10.2	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°	526.5	41.6
0°-40°	838.8	66.3
0°-60°	1172.9	92.7
0°-90°	1264.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	696	
5°	692	66
15°	658	186
25°	598	275
35°	506	312
45°	299	230
55°	111	104
65°	51	51
75°	29	30
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	695.9
2.5°	695.9
5°	692.1
7.5°	687.0
10°	679.4
12.5°	669.3
15°	657.9
17.5°	646.5
20°	631.4
22.5°	616.2
25°	598.5
27.5°	578.2
30°	556.7
32.5°	532.7
35°	506.1
37.5°	469.4
40°	423.9
42.5°	364.4
45°	298.6
47.5°	235.3
50°	182.2
52.5°	141.7
55°	111.3
57.5°	88.6
60°	72.1
62.5°	59.5
65°	50.6
67.5°	43.0
70°	38.0
72.5°	32.9
75°	29.1
77.5°	24.0
80°	19.0
82.5°	15.2
85°	8.9
87.5°	3.8
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)