

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: P643710

Luminaire Tested: ML5615LSVWFL9FS1E - 694WB - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-113)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 694WB - 1200LM - 5000K
Description: ML56 RR, MILKY OPTIC, 6" WHITE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1562.1 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

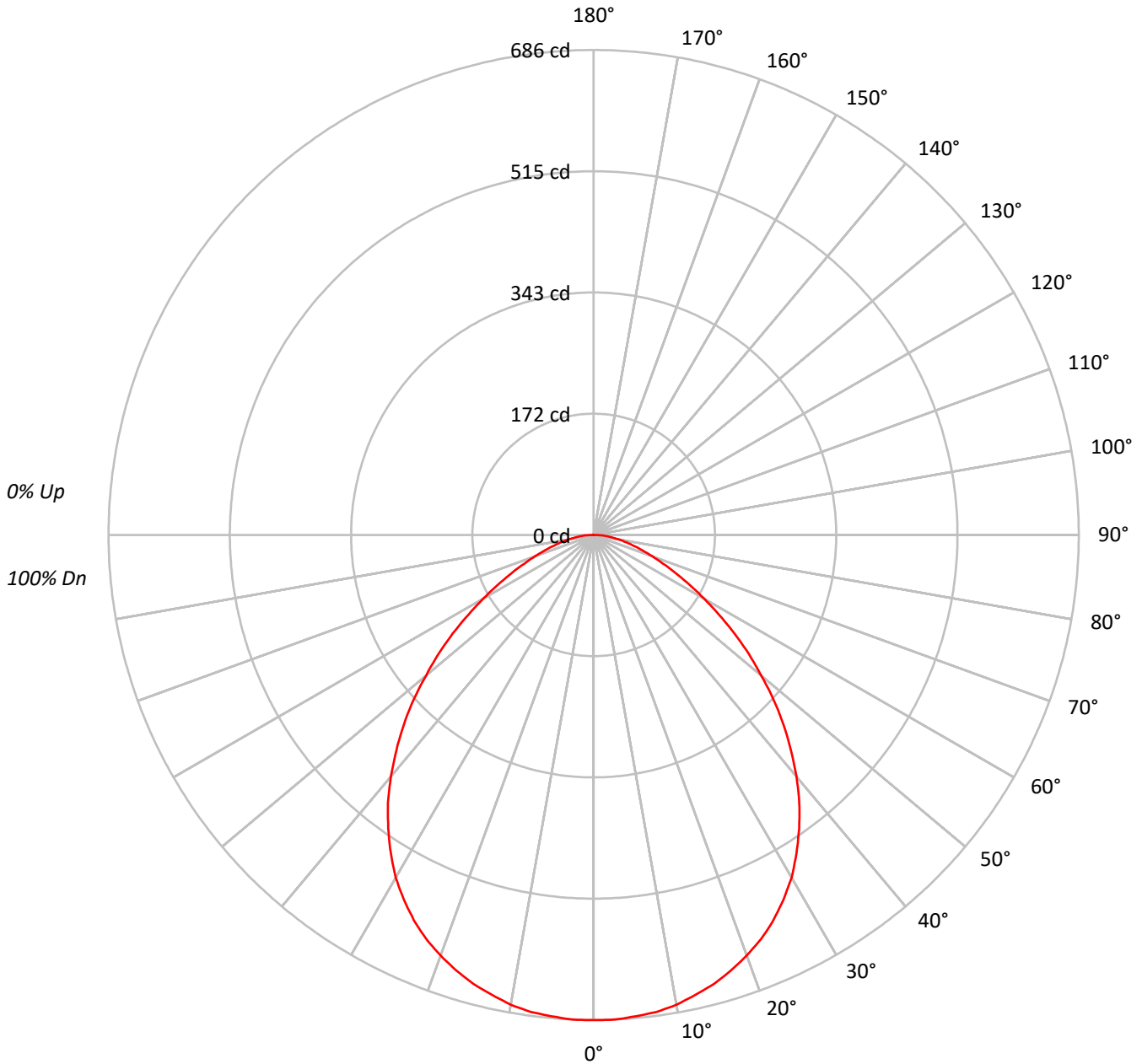
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86			86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74			74
3	93	83	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64			64
4	86	75	67	61	84	73	66	60	71	64	59	69	63	59	67	62	58	56			56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49			49
6	74	61	53	47	72	60	52	46	58	51	46	57	51	46	55	50	45	43			43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39			39
8	64	51	43	37	62	50	43	37	49	42	37	48	42	37	47	41	37	35			35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32			32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29			29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37623
5°	37607
10°	37563
15°	37316
20°	36934
25°	36377
30°	35430
35°	33897
40°	31917
45°	29453
50°	26379
55°	23244
60°	19724
65°	16617
70°	14073
75°	12200
80°	10892
85°	10882

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	4.2
10°-20°	185.3	11.9
20°-30°	276.5	17.7
30°-40°	316.0	20.2
40°-50°	292.0	18.7
50°-60°	217.4	13.9
60°-70°	128.7	8.2
70°-80°	62.4	4.0
80°-90°	18.8	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°	526.8	33.7
0°-40°	842.8	54.0
0°-60°	1352.2	86.6
0°-90°	1562.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	686	
5°	683	65
15°	658	185
25°	601	276
35°	506	316
45°	380	292
55°	243	217
65°	128	129
75°	58	62
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	686.3
2.5°	686.3
5°	683.4
7.5°	680.6
10°	674.8
12.5°	666.2
15°	657.5
17.5°	646.0
20°	633.1
22.5°	618.7
25°	601.4
27.5°	581.3
30°	559.7
32.5°	533.8
35°	506.5
37.5°	477.7
40°	446.0
42.5°	412.9
45°	379.9
47.5°	345.3
50°	309.3
52.5°	276.3
55°	243.2
57.5°	210.1
60°	179.9
62.5°	152.5
65°	128.1
67.5°	106.5
70°	87.8
72.5°	71.9
75°	57.6
77.5°	46.0
80°	34.5
82.5°	24.5
85°	17.3
87.5°	10.1
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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