

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: P641739

Luminaire Tested: ML5612LSVWFL97FS1E - 594WB - 900LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-101)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 594WB - 900LM - 4000K
Description: ML56 RR, MILKY OPTIC, 5" WHITE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1360.6 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.28
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

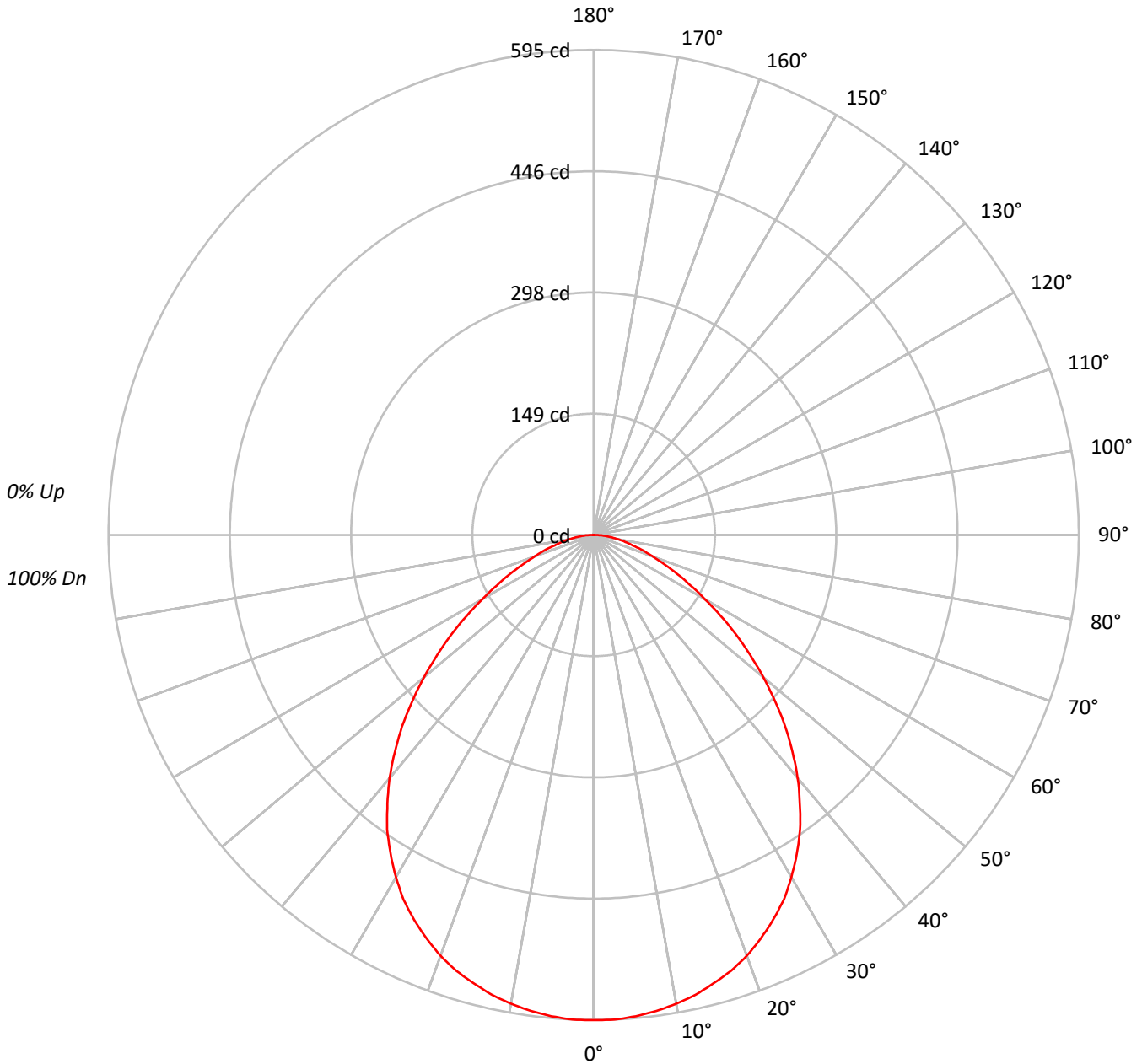
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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			
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86			
2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	74			
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64			
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56			
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	60	55	51	49			
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39			
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35			
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31			
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46994
5°	46975
10°	46821
15°	46526
20°	46154
25°	45371
30°	44200
35°	42547
40°	40128
45°	37109
50°	33355
55°	29356
60°	24866
65°	21089
70°	17749
75°	15128
80°	13547
85°	12318

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37109 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	4.1
10°-20°	160.7	11.8
20°-30°	239.7	17.6
30°-40°	274.9	20.2
40°-50°	255.3	18.8
50°-60°	190.7	14.0
60°-70°	112.9	8.3
70°-80°	54.3	4.0
80°-90°	15.9	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°	456.7	33.6
0°-40°	731.6	53.8
0°-60°	1177.6	86.5
0°-90°	1360.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1360.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	595	
5°	593	56
15°	569	161
25°	521	240
35°	442	275
45°	332	255
55°	213	191
65°	113	113
75°	50	54
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	595.3
2.5°	595.3
5°	592.8
7.5°	589.1
10°	584.1
12.5°	577.9
15°	569.3
17.5°	560.6
20°	549.4
22.5°	535.8
25°	520.9
27.5°	504.8
30°	484.9
32.5°	463.8
35°	441.5
37.5°	415.5
40°	389.4
42.5°	360.9
45°	332.4
47.5°	301.4
50°	271.6
52.5°	241.8
55°	213.3
57.5°	184.8
60°	157.5
62.5°	133.9
65°	112.9
67.5°	93.0
70°	76.9
72.5°	63.3
75°	49.6
77.5°	39.7
80°	29.8
82.5°	21.1
85°	13.6
87.5°	8.7
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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