

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: P641791

Luminaire Tested: ML5612LSVWFL97FS1E - 692SC - 600LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-106)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 692SC - 600LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 881.1 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.69
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

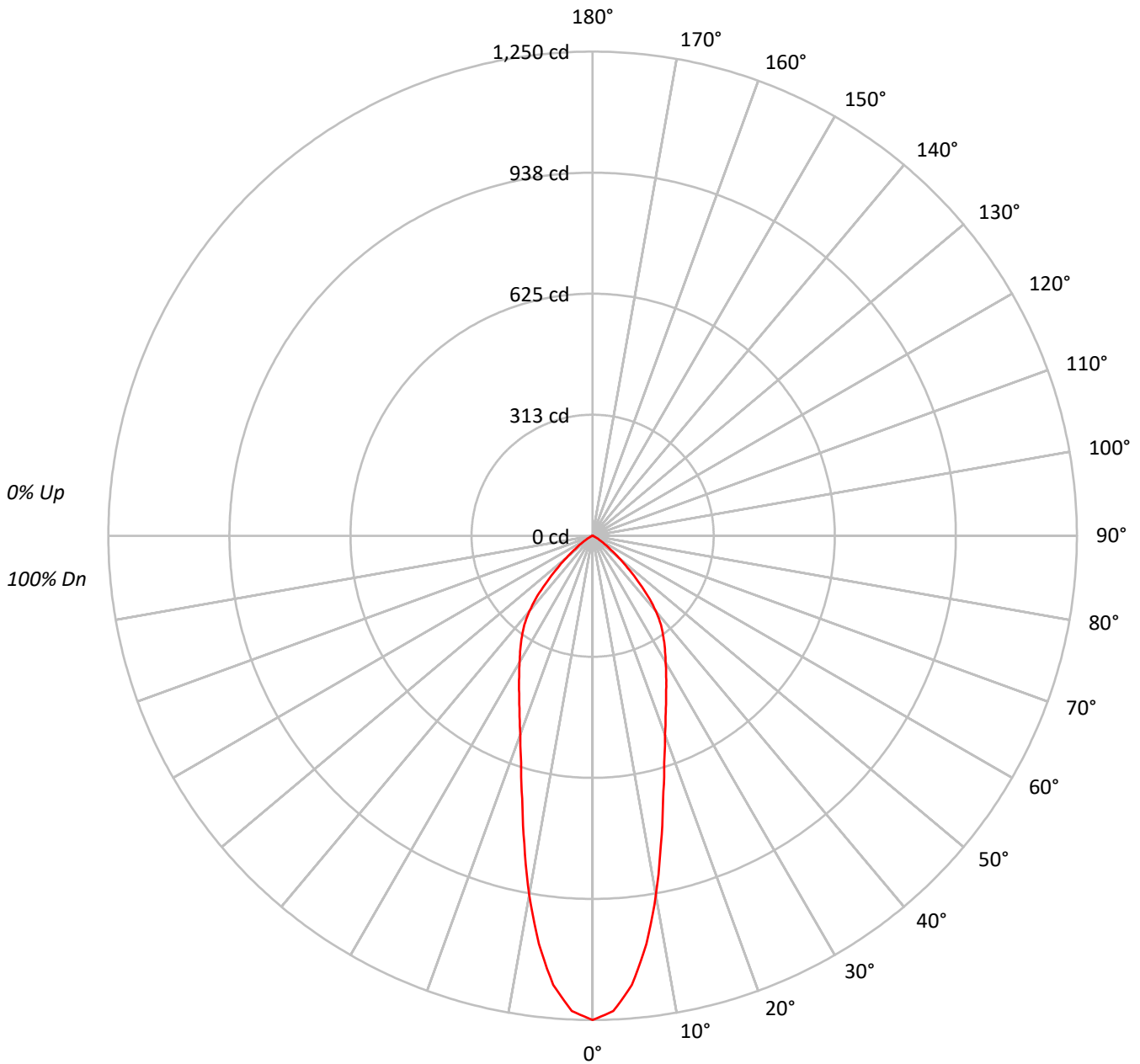
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	100	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	93	105	100	96	92	97	93	90	93	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78	78	78	78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71	71	71	71
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	70	67	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	58	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49	49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68531
5°	64065
10°	52393
15°	39847
20°	31824
25°	27129
30°	23864
35°	21302
40°	18148
45°	12800
50°	7479
55°	3900
60°	1776
65°	558
70°	144
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12800 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	11.8
10°-20°	197.9	22.5
20°-30°	207.6	23.6
30°-40°	198.0	22.5
40°-50°	127.8	14.5
50°-60°	39.7	4.5
60°-70°	5.8	0.7
70°-80°	0.4	0.0
80°-90°	0.0	0.0
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°	509.4	57.8
0°-40°	707.4	80.3
0°-60°	874.9	99.3
0°-90°	881.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1250	
5°	1164	104
15°	702	198
25°	448	208
35°	318	198
45°	165	128
55°	41	40
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1250.1
2.5°	1228.0
5°	1164.2
7.5°	1062.9
10°	941.2
12.5°	814.4
15°	702.1
17.5°	614.4
20°	545.5
22.5°	492.7
25°	448.5
27.5°	411.0
30°	377.0
32.5°	347.2
35°	318.3
37.5°	289.3
40°	253.6
42.5°	211.0
45°	165.1
47.5°	122.5
50°	87.7
52.5°	60.4
55°	40.8
57.5°	26.4
60°	16.2
62.5°	9.4
65°	4.3
67.5°	1.7
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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