

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: P641787

Luminaire Tested: ML5612LSVWFL97FS1E - 692SC - 1200LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641787
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 - 1200LM - 3000K
Description: ML56 RR, MILKY OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

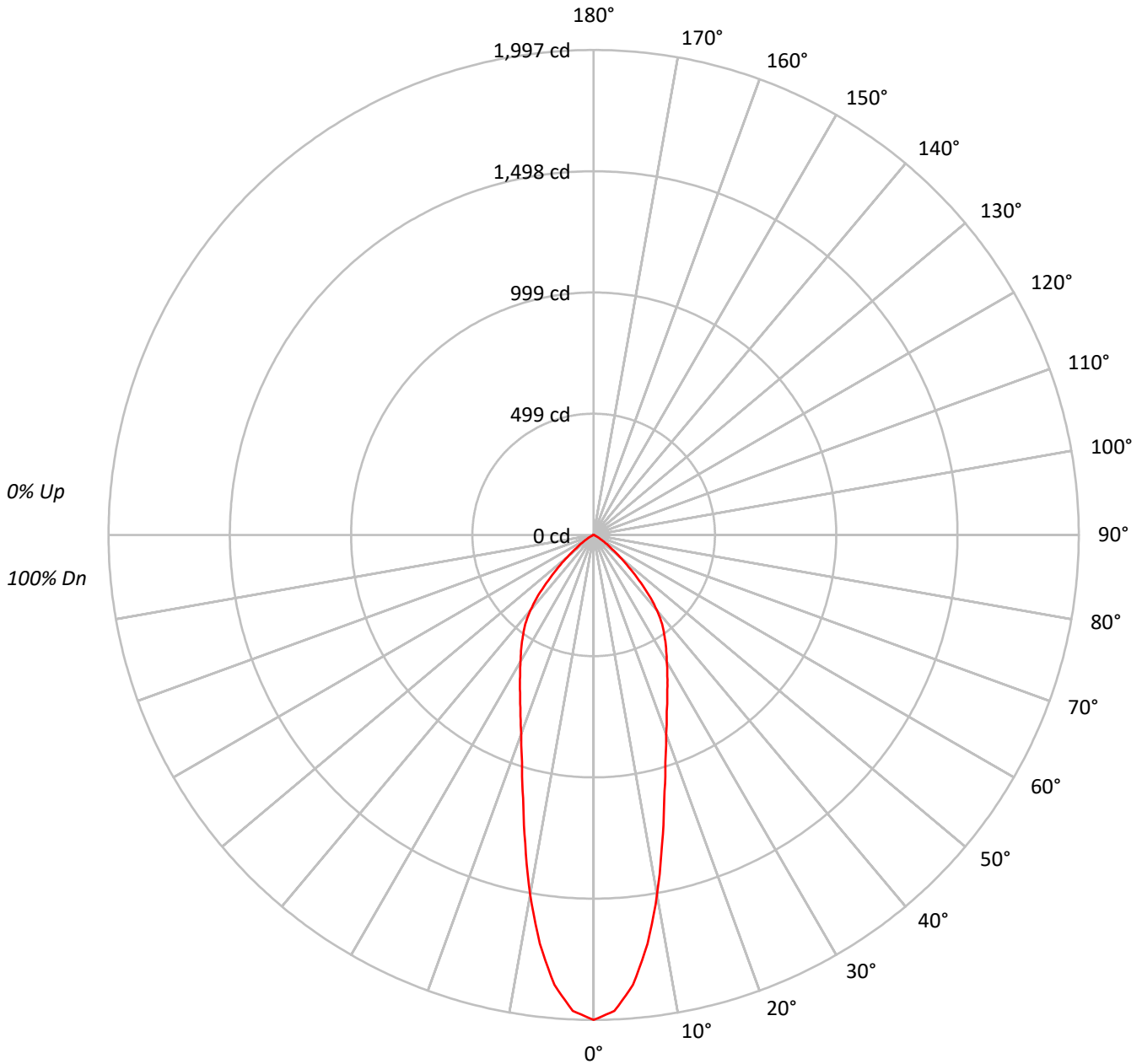
Lumens per Lamp: N/A
Luminaire Lumens: 1407.4 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.69
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 16.5
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	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°	109476
5°	102338
10°	83694
15°	63650
20°	50836
25°	43333
30°	38120
35°	34024
40°	28990
45°	20444
50°	11940
55°	6241
60°	2829
65°	882
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20444 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	11.8
10°-20°	316.2	22.5
20°-30°	331.6	23.6
30°-40°	316.3	22.5
40°-50°	204.1	14.5
50°-60°	63.4	4.5
60°-70°	9.3	0.7
70°-80°	0.5	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°	813.8	57.8
0°-40°	1130.0	80.3
0°-60°	1397.5	99.3
0°-90°	1407.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1997	
5°	1860	166
15°	1122	316
25°	716	332
35°	508	316
45°	264	204
55°	65	63
65°	7	9
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1997.0
2.5°	1961.7
5°	1859.7
7.5°	1697.9
10°	1503.5
12.5°	1301.0
15°	1121.5
17.5°	981.5
20°	871.4
22.5°	787.1
25°	716.4
27.5°	656.6
30°	602.2
32.5°	554.6
35°	508.4
37.5°	462.2
40°	405.1
42.5°	337.1
45°	263.7
47.5°	195.8
50°	140.0
52.5°	96.5
55°	65.3
57.5°	42.1
60°	25.8
62.5°	15.0
65°	6.8
67.5°	2.7
70°	1.4
72.5°	1.4
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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