

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P641648

Luminaire Tested: ML5612LSVWFL97FS1E - 593BB - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-98)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 593BB - 900LM - 3500K
Description: ML56 RR, MILKY OPTIC, 5" BLACK BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 802.9 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.11
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

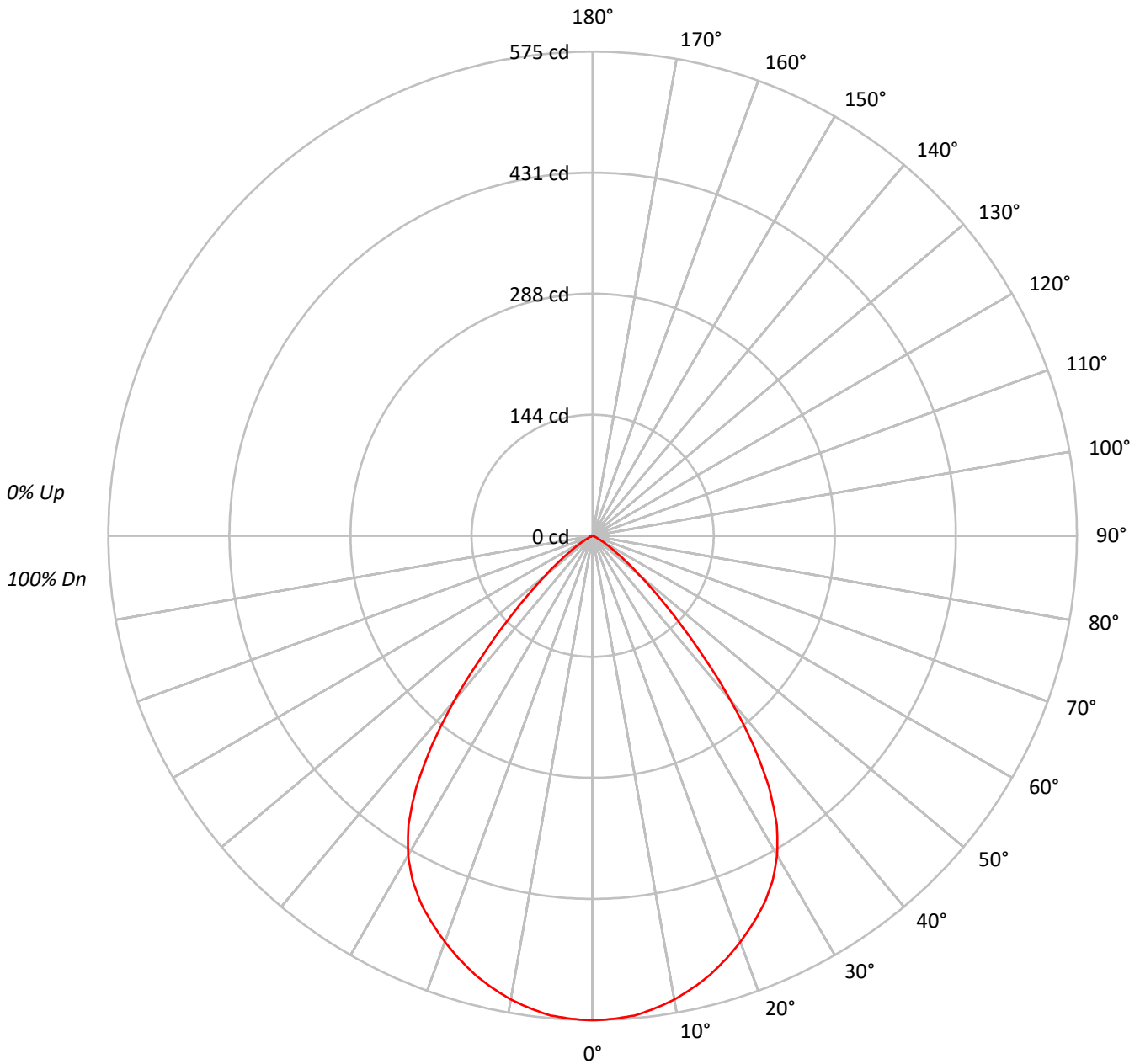
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92				92															
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84				84															
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76				76															
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69				69															
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63				63															
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58				58															
7	78	67	60	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53				53															
8	73	63	56	51	72	62	55	51	61	55	51	60	54	51	59	54	50	49				49															
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45				45															
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42				42															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31544
5°	31471
10°	31128
15°	30624
20°	29933
25°	29155
30°	27738
35°	24460
40°	18234
45°	11172
50°	6192
55°	3087
60°	1392
65°	454
70°	192
75°	254
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11172 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	6.7
10°-20°	151.9	18.9
20°-30°	221.0	27.5
30°-40°	222.7	27.7
40°-50°	115.5	14.4
50°-60°	32.1	4.0
60°-70°	4.8	0.6
70°-80°	0.8	0.1
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°	427.0	53.2
0°-40°	649.7	80.9
0°-60°	797.3	99.3
0°-90°	802.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	802.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	575	
5°	572	54
15°	540	152
25°	482	221
35°	366	223
45°	144	115
55°	32	32
65°	4	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	575.4
2.5°	574.2
5°	571.9
7.5°	566.2
10°	559.2
12.5°	550.0
15°	539.6
17.5°	526.9
20°	513.1
22.5°	498.1
25°	482.0
27.5°	462.4
30°	438.2
32.5°	407.0
35°	365.5
37.5°	313.6
40°	254.8
42.5°	194.9
45°	144.1
47.5°	103.8
50°	72.6
52.5°	49.6
55°	32.3
57.5°	20.8
60°	12.7
62.5°	6.9
65°	3.5
67.5°	2.3
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)