

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: P641840

Luminaire Tested: ML5612LSVWFL97FS1E - 693SNB - 600LM - 5000K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641840  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-111)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML5612LSVWFL97FS1E - 693SNB - 600LM - 5000K  
Description: ML56 RR, MILKY OPTIC, 6" SATIN NICKLE BAFFLE TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

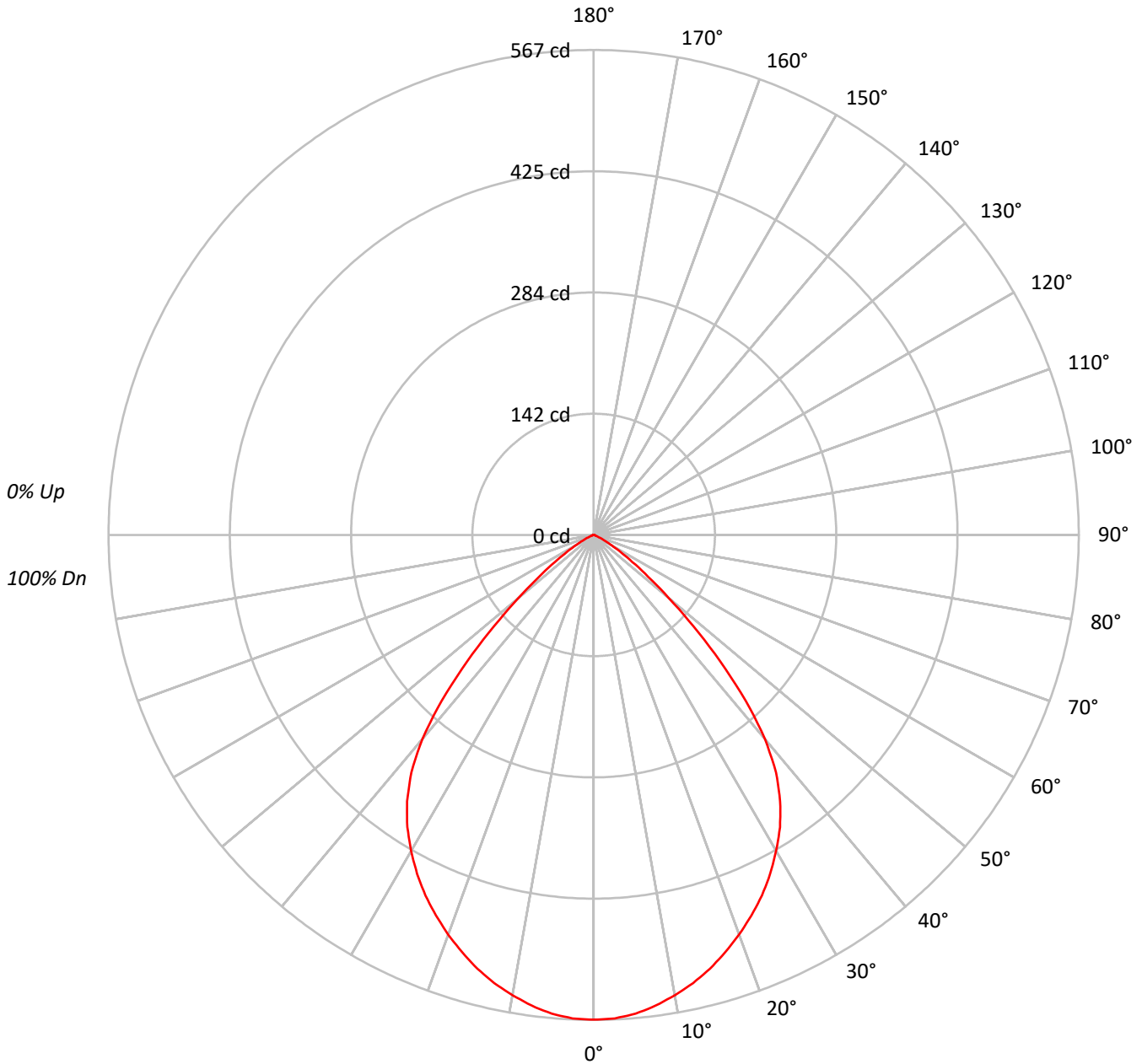
Lumens per Lamp: N/A  
Luminaire Lumens: 875.5 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	69	76	72	69	67			
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60			
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55			
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50			
8	71	60	53	48	70	59	53	48	58	52	48	57	52	47	56	51	47	46			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42			
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	31067
5°	30921
10°	30416
15°	29802
20°	29000
25°	28139
30°	26998
35°	25437
40°	22285
45°	16195
50°	9731
55°	5266
60°	2653
65°	1129
70°	305
75°	212
80°	316
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16195 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.1	6.1
10°-20°	147.8	16.9
20°-30°	213.7	24.4
30°-40°	234.9	26.8
40°-50°	160.9	18.4
50°-60°	53.4	6.1
60°-70°	9.8	1.1
70°-80°	1.4	0.2
80°-90°	0.4	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°	414.6	47.4
0°-40°	649.5	74.2
0°-60°	863.8	98.7
0°-90°	875.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	875.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	567	
5°	562	53
15°	525	148
25°	465	214
35°	380	235
45°	209	161
55°	55	53
65°	9	10
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	566.7
2.5°	565.8
5°	561.9
7.5°	555.1
10°	546.4
12.5°	536.7
15°	525.1
17.5°	511.6
20°	497.1
22.5°	481.6
25°	465.2
27.5°	446.8
30°	426.5
32.5°	405.2
35°	380.1
37.5°	350.1
40°	311.4
42.5°	263.1
45°	208.9
47.5°	157.6
50°	114.1
52.5°	80.3
55°	55.1
57.5°	36.8
60°	24.2
62.5°	14.5
65°	8.7
67.5°	3.9
70°	1.9
72.5°	1.9
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
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)