

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: P641783

Luminaire Tested: ML5612LSVWFL97FS1E - 692H - 900LM - 3500K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641783  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-107)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML5612LSVWFL97FS1E - 692H - 900LM - 3500K  
Description: ML56 RR, MILKY OPTIC, 6" HAZE TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1124.0 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.1  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

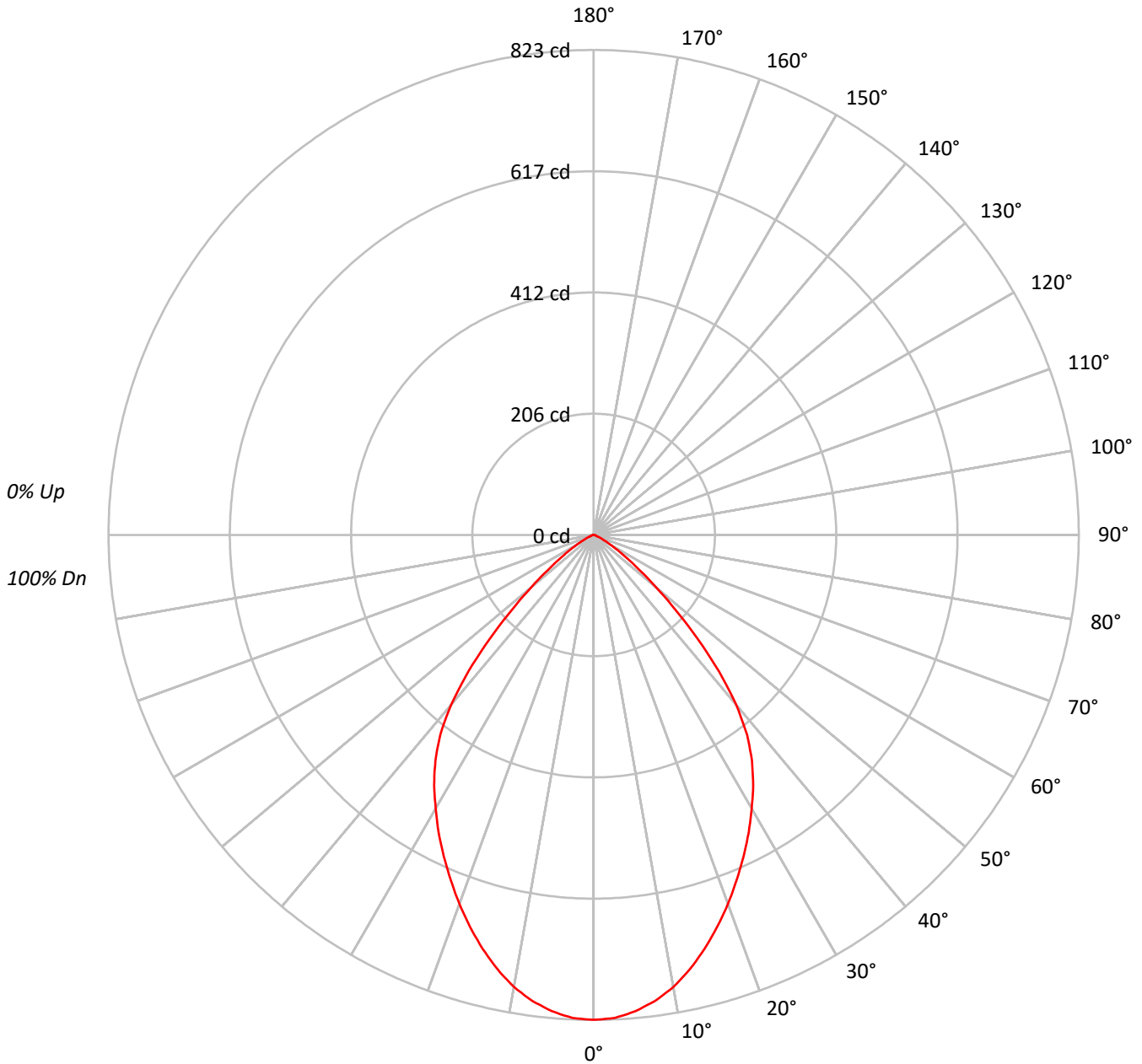
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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																			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83																			
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75																			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	67																			
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61																			
6	81	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56																			
7	77	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	51																			
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47																			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43																			
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40																			

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

	0°
0°	45112
5°	44651
10°	43369
15°	41277
20°	38865
25°	36389
30°	33923
35°	31313
40°	26886
45°	19304
50°	11701
55°	6614
60°	3541
65°	1647
70°	930
75°	741
80°	379
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19304 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.4	6.8
10°-20°	204.0	18.2
20°-30°	276.6	24.6
30°-40°	289.4	25.7
40°-50°	192.6	17.1
50°-60°	66.2	5.9
60°-70°	14.9	1.3
70°-80°	3.4	0.3
80°-90°	0.5	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°	557.1	49.6
0°-40°	846.5	75.3
0°-60°	1105.3	98.3
0°-90°	1124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1124.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	823	
5°	811	76
15°	727	204
25°	602	277
35°	468	289
45°	249	193
55°	69	66
65°	13	15
75°	4	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	822.9
2.5°	820.6
5°	811.4
7.5°	797.6
10°	779.1
12.5°	754.9
15°	727.3
17.5°	697.3
20°	666.2
22.5°	633.9
25°	601.6
27.5°	569.4
30°	535.9
32.5°	503.7
35°	467.9
37.5°	427.6
40°	375.7
42.5°	314.6
45°	249.0
47.5°	187.9
50°	137.2
52.5°	98.0
55°	69.2
57.5°	47.3
60°	32.3
62.5°	20.7
65°	12.7
67.5°	8.1
70°	5.8
72.5°	3.5
75°	3.5
77.5°	2.3
80°	1.2
82.5°	1.2
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)