

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: P643601

Luminaire Tested: ML5615LSVWFL9FS1E - 692SC - 1200LM - 2700K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643601  
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: ML5615LSVWFL9FS1E - 692SC - 1200LM - 2700K  
Description: ML56 RR, MILKY OPTIC, 6" SPECULAR CLEAR TRIM  
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1310.3 lumens  
Efficiency: N/A  
Efficacy: 97.8 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

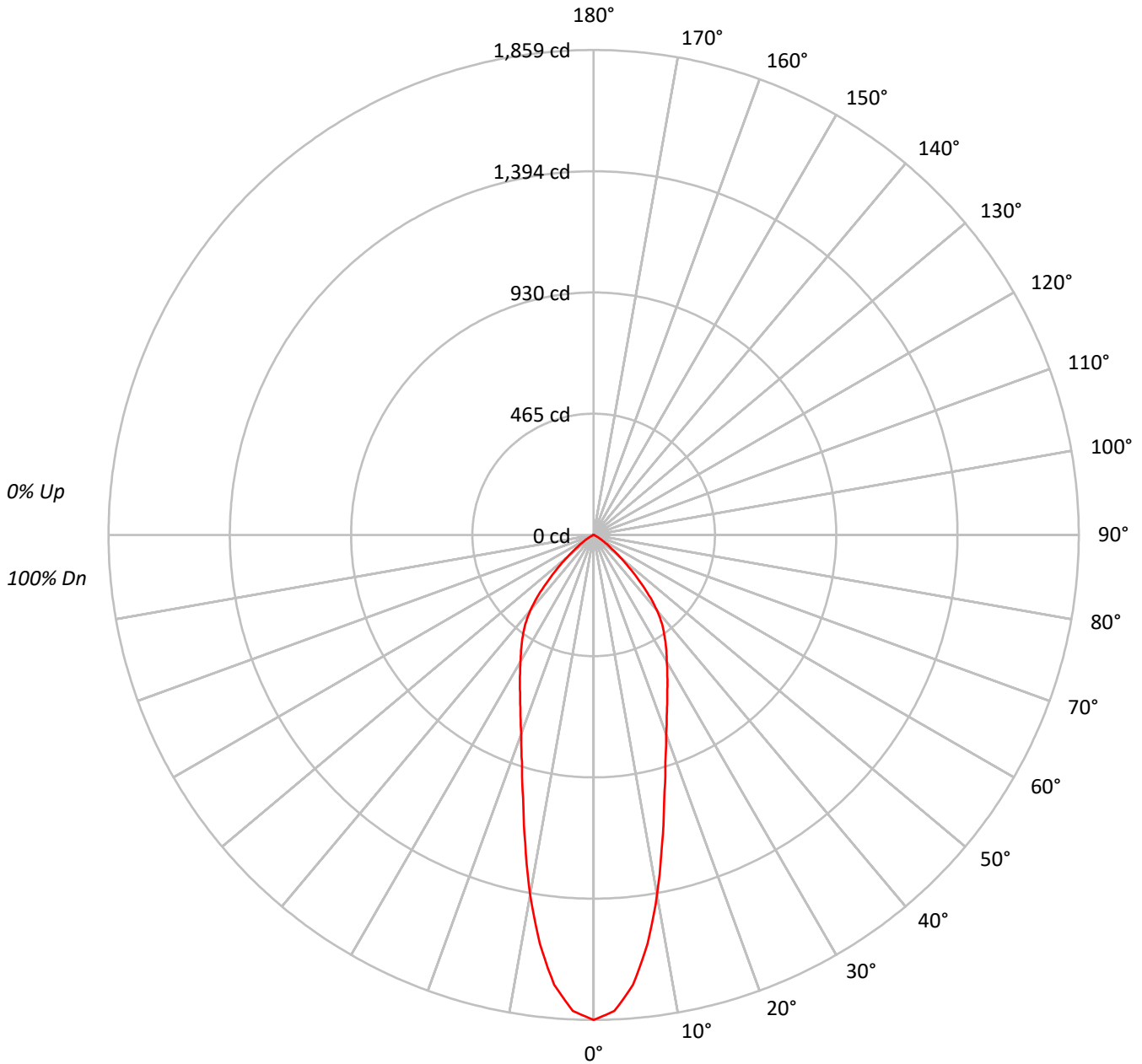
Input Watts (W): 13.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°
0°	101922
5°	95278
10°	77921
15°	59257
20°	47330
25°	40345
30°	35493
35°	31675
40°	26993
45°	19033
50°	11121
55°	5811
60°	2631
65°	817
70°	208
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19033 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.5	11.8
10°-20°	294.4	22.5
20°-30°	308.7	23.6
30°-40°	294.5	22.5
40°-50°	190.1	14.5
50°-60°	59.0	4.5
60°-70°	8.6	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°	757.6	57.8
0°-40°	1052.1	80.3
0°-60°	1301.2	99.3
0°-90°	1310.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1310.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1859	
5°	1731	154
15°	1044	294
25°	667	309
35°	473	294
45°	246	190
55°	61	59
65°	6	9
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1859.2
2.5°	1826.3
5°	1731.4
7.5°	1580.8
10°	1399.8
12.5°	1211.2
15°	1044.1
17.5°	913.8
20°	811.3
22.5°	732.8
25°	667.0
27.5°	611.3
30°	560.7
32.5°	516.4
35°	473.3
37.5°	430.3
40°	377.2
42.5°	313.9
45°	245.5
47.5°	182.3
50°	130.4
52.5°	89.9
55°	60.8
57.5°	39.2
60°	24.0
62.5°	13.9
65°	6.3
67.5°	2.5
70°	1.3
72.5°	1.3
75°	0.0
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)