

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: P643256

Luminaire Tested: ML5615LSVWFL759FS1E - 692SC - 1200LM - 2700K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-83)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML5615LSVWFL759FS1E - 692SC - 1200LM - 2700K  
Description: ML56 RR, 75D TIR 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: 1383.7 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

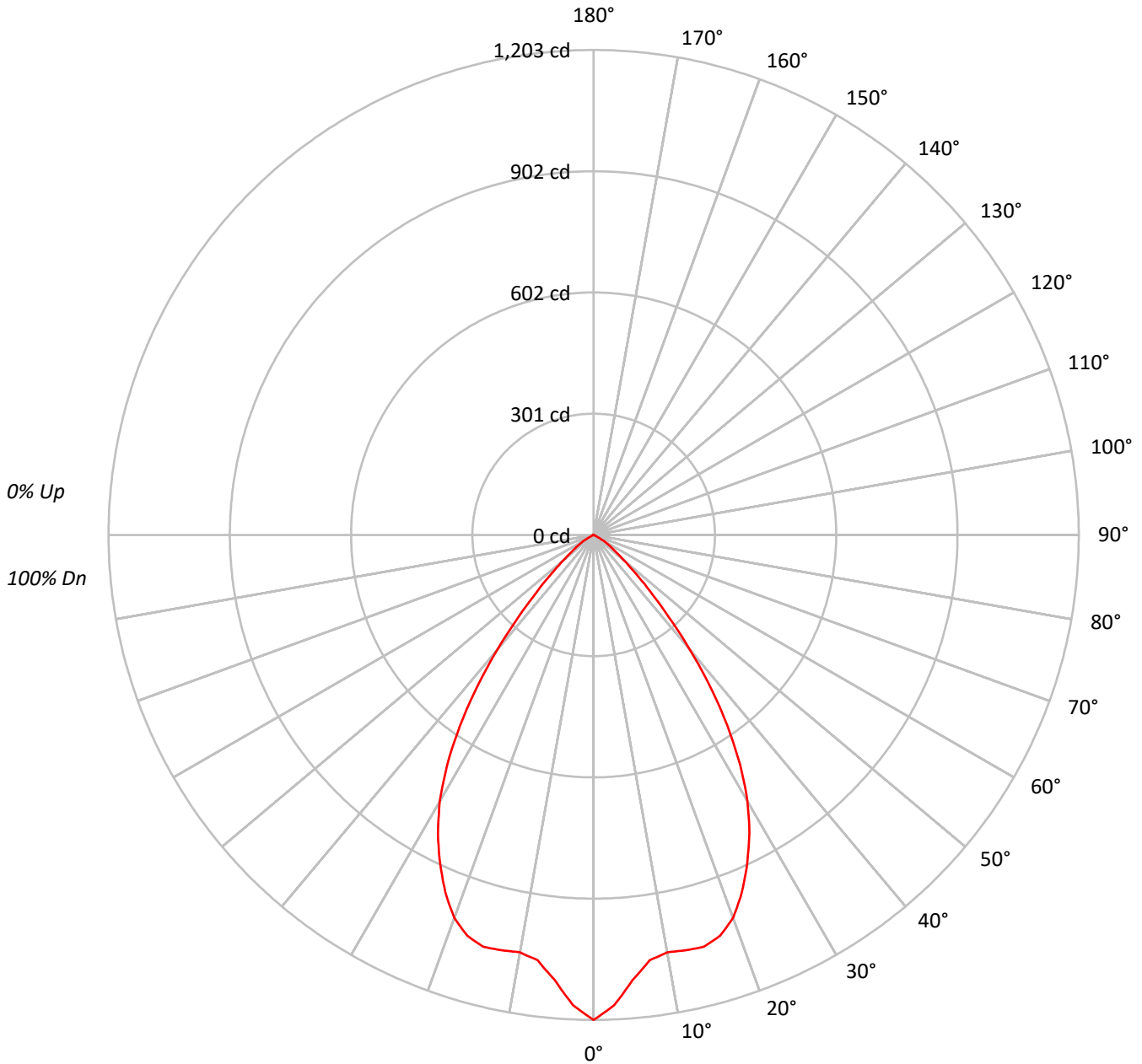
Input Watts (W): 13.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85			85
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78			78
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71			71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65			65
6	84	74	68	63	83	74	67	63	72	66	62	70	66	62	69	65	61	60			60
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55			55
8	75	65	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51			51
9	71	60	54	50	70	60	54	49	59	53	49	58	53	49	57	52	49	47			47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	46	44			44

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

	0°
0°	65960
5°	60989
10°	58527
15°	60029
20°	58974
25°	54487
30°	48292
35°	38695
40°	26528
45°	15304
50°	8307
55°	4960
60°	2631
65°	662
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15304 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.0	7.5
10°-20°	296.2	21.4
20°-30°	411.4	29.7
30°-40°	355.6	25.7
40°-50°	160.7	11.6
50°-60°	48.5	3.5
60°-70°	7.3	0.5
70°-80°	0.0	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°	811.6	58.7
0°-40°	1167.2	84.4
0°-60°	1376.4	99.5
0°-90°	1383.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1203	
5°	1108	104
15°	1058	296
25°	901	411
35°	578	356
45°	197	161
55°	52	48
65°	5	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1203.2
2.5°	1167.7
5°	1108.3
7.5°	1064.0
10°	1051.4
12.5°	1055.1
15°	1057.7
17.5°	1042.5
20°	1010.9
22.5°	960.3
25°	900.8
27.5°	836.3
30°	762.9
32.5°	675.6
35°	578.2
37.5°	474.4
40°	370.7
42.5°	274.5
45°	197.4
47.5°	139.2
50°	97.4
52.5°	69.6
55°	51.9
57.5°	36.7
60°	24.0
62.5°	11.4
65°	5.1
67.5°	1.3
70°	0.0
72.5°	0.0
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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(END OF REPORT)