

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: P643264

Luminaire Tested: ML5615LSVWFL759FS1E - 692SC - 1500LM - 4000K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643264  
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 - 1500LM - 4000K  
Description: ML56 RR, 75D TIR OPTIC, 6" SPECULAR CLEAR TRIM  
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

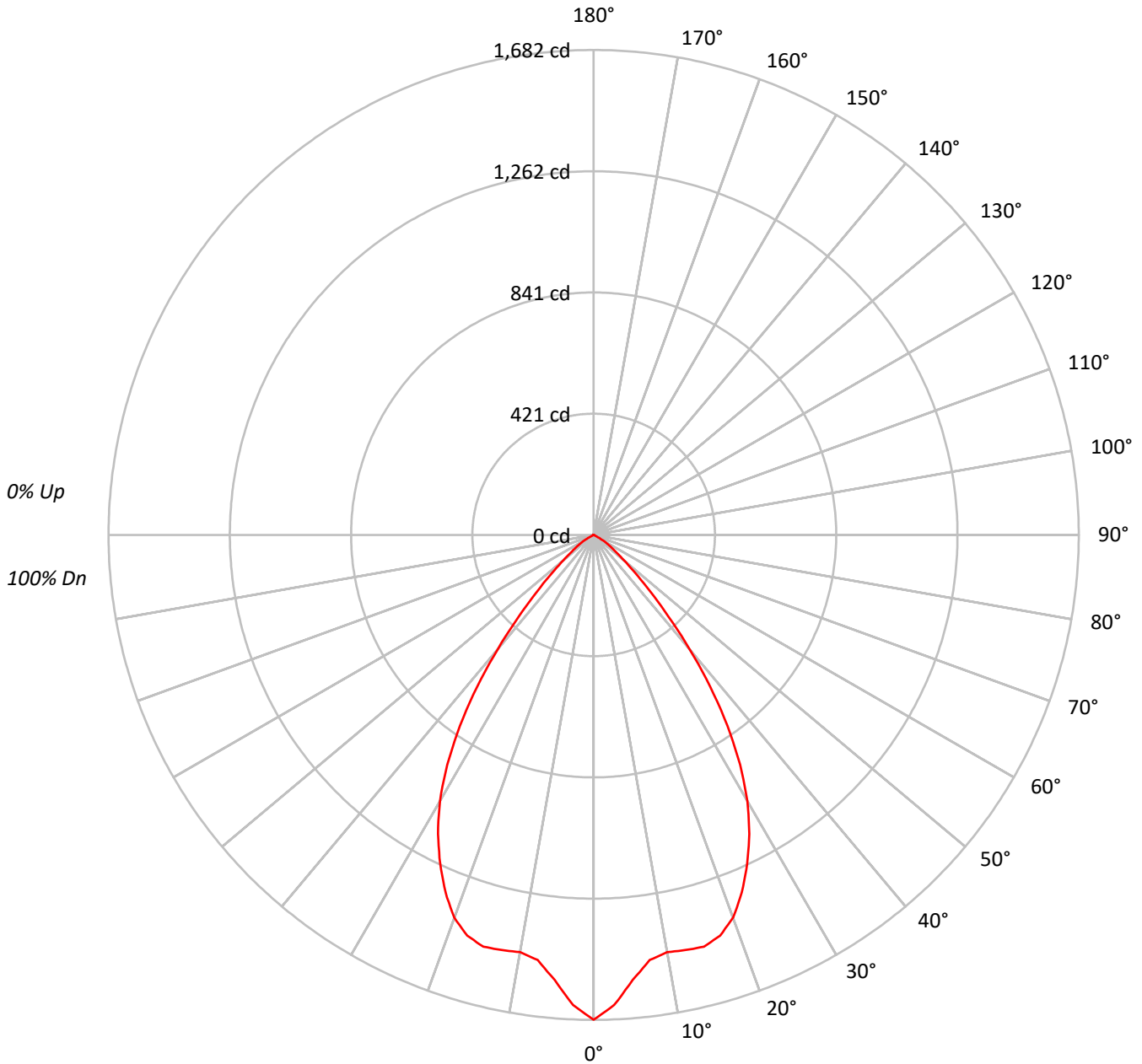
Lumens per Lamp: N/A  
Luminaire Lumens: 1933.9 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 17.1  
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°	92186
5°	85241
10°	81795
15°	83899
20°	82420
25°	76154
30°	67498
35°	54081
40°	37077
45°	21382
50°	11616
55°	6929
60°	3684
65°	921
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21382 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.4	7.5
10°-20°	414.0	21.4
20°-30°	575.0	29.7
30°-40°	497.0	25.7
40°-50°	224.7	11.6
50°-60°	67.8	3.5
60°-70°	10.1	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°	1134.3	58.7
0°-40°	1631.3	84.4
0°-60°	1923.7	99.5
0°-90°	1933.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1933.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1682	
5°	1549	145
15°	1478	414
25°	1259	575
35°	808	497
45°	276	225
55°	72	68
65°	7	10
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1681.6
2.5°	1632.1
5°	1549.0
7.5°	1487.1
10°	1469.4
12.5°	1474.7
15°	1478.3
17.5°	1457.0
20°	1412.8
22.5°	1342.1
25°	1259.0
27.5°	1168.8
30°	1066.3
32.5°	944.2
35°	808.1
37.5°	663.1
40°	518.1
42.5°	383.7
45°	275.8
47.5°	194.5
50°	136.2
52.5°	97.3
55°	72.5
57.5°	51.3
60°	33.6
62.5°	15.9
65°	7.1
67.5°	1.8
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)