

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: P643262

Luminaire Tested: ML5615LSVWFL759FS1E - 692SC - 1500LM - 3000K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643262  
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 - 3000K  
Description: ML56 RR, 75D TIR OPTIC, 6" SPECULAR CLEAR TRIM  
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1749.7 lumens  
Efficiency: N/A  
Efficacy: 102.3 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

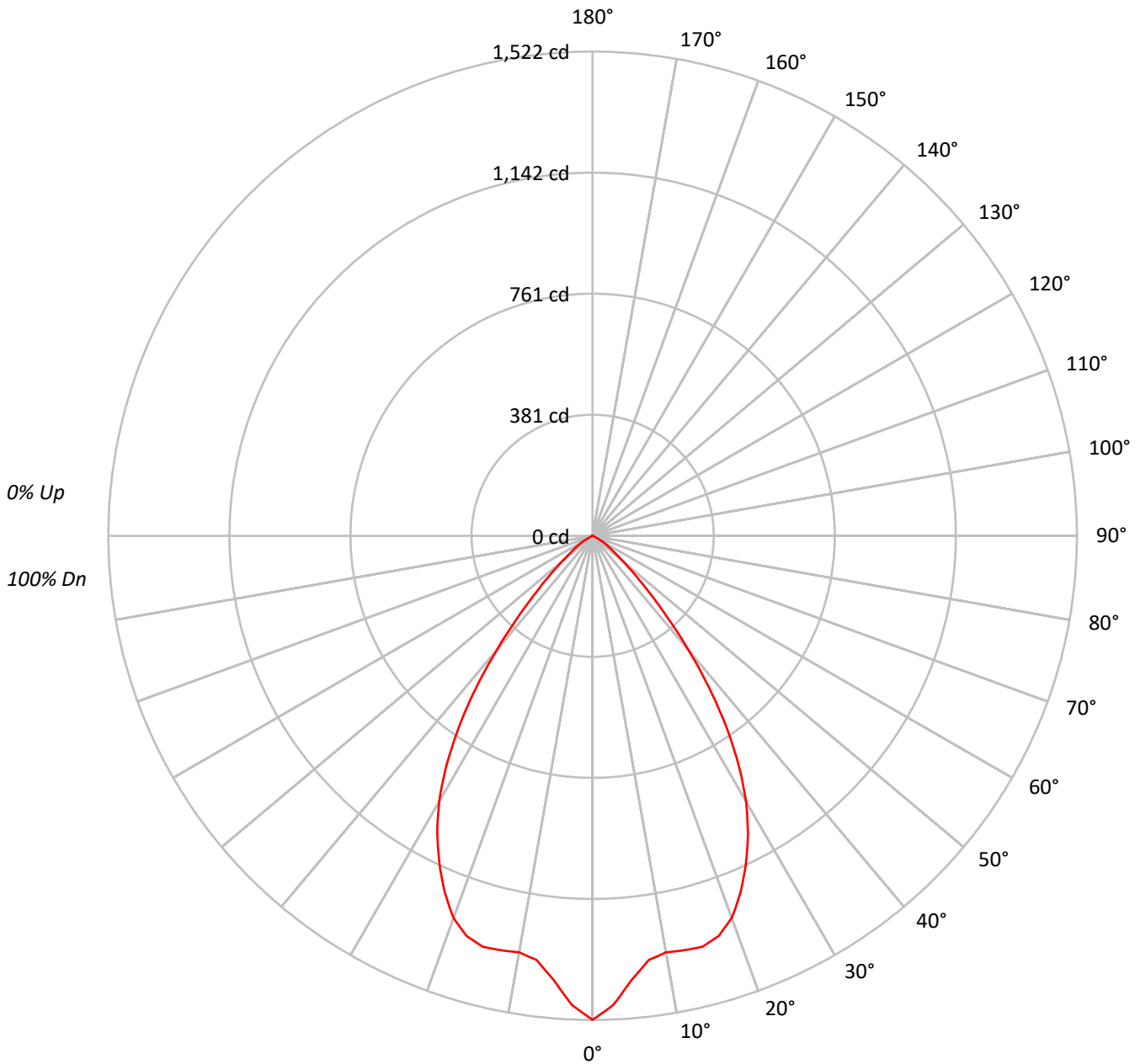
Input Watts (W): 17.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90		93	91	88		91	88	86	85
3	101	94	88	84	99	92	87	83	89	85	82		87	83	80		85	82	79	78
4	95	86	80	76	93	85	80	75	83	78	74		81	77	73		79	76	73	71
5	89	80	74	69	88	79	73	69	77	72	68		76	71	67		74	70	67	65
6	84	74	68	63	83	74	67	63	72	66	62		70	66	62		69	65	61	60
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65	60	57	55
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61	56	53	51
9	71	60	54	50	70	60	54	49	59	53	49		58	53	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	46	44

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

	0°
0°	83409
5°	77124
10°	74008
15°	75908
20°	74574
25°	68901
30°	61066
35°	48927
40°	33549
45°	19351
50°	10507
55°	6270
60°	3333
65°	830
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19351 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.5	7.5
10°-20°	374.5	21.4
20°-30°	520.2	29.7
30°-40°	449.6	25.7
40°-50°	203.3	11.6
50°-60°	61.3	3.5
60°-70°	9.1	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°	1026.3	58.7
0°-40°	1475.9	84.4
0°-60°	1740.5	99.5
0°-90°	1749.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1749.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1522	
5°	1402	132
15°	1338	375
25°	1139	520
35°	731	450
45°	250	203
55°	66	61
65°	6	9
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1521.5
2.5°	1476.7
5°	1401.5
7.5°	1345.5
10°	1329.5
12.5°	1334.3
15°	1337.5
17.5°	1318.3
20°	1278.3
22.5°	1214.3
25°	1139.1
27.5°	1057.5
30°	964.7
32.5°	854.3
35°	731.1
37.5°	599.9
40°	468.8
42.5°	347.2
45°	249.6
47.5°	176.0
50°	123.2
52.5°	88.0
55°	65.6
57.5°	46.4
60°	30.4
62.5°	14.4
65°	6.4
67.5°	1.6
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

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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)