

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: P642934

Luminaire Tested: ML5615LSNFL259FS1E - 692W - 1500LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 692W - 1500LM - 4000K
Description: ML56 RR, 25D TIR OPTIC, 6" WHITE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1891.3 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

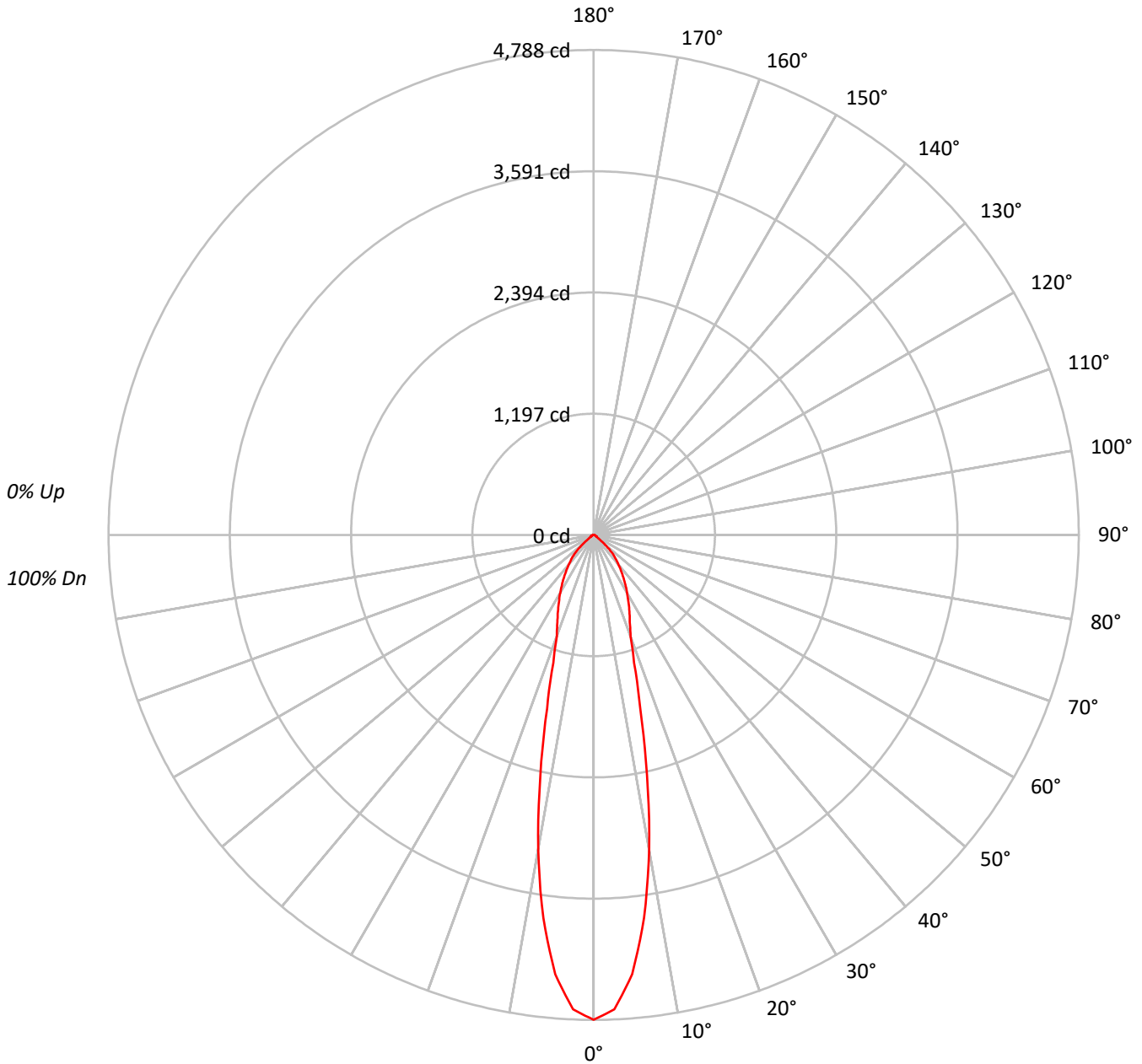
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93																											
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87																											
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81																											
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75																											
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70																											
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66																											
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	62																											
8	80	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	61	59																											
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	61	57	56																											
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	262452
5°	239533
10°	175698
15°	100699
20°	62066
25°	50453
30°	41728
35°	34064
40°	27315
45°	21235
50°	11752
55°	4559
60°	3684
65°	3204
70°	2837
75°	2987
80°	2778
85°	2201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21235 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.5	19.9
10°-20°	510.3	27.0
20°-30°	384.7	20.3
30°-40°	319.0	16.9
40°-50°	203.4	10.8
50°-60°	54.1	2.9
60°-70°	25.1	1.3
70°-80°	14.2	0.8
80°-90°	4.1	0.2
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°	1271.5	67.2
0°-40°	1590.5	84.1
0°-60°	1848.0	97.7
0°-90°	1891.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1891.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4788	
5°	4353	377
15°	1774	510
25°	834	385
35°	509	319
45°	274	203
55°	48	54
65°	25	25
75°	14	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4787.5
2.5°	4688.5
5°	4352.8
7.5°	3812.0
10°	3156.3
12.5°	2428.2
15°	1774.3
17.5°	1323.7
20°	1063.9
22.5°	933.1
25°	834.1
27.5°	742.2
30°	659.2
32.5°	581.4
35°	509.0
37.5°	441.8
40°	381.7
42.5°	326.9
45°	273.9
47.5°	203.2
50°	137.8
52.5°	72.5
55°	47.7
57.5°	38.9
60°	33.6
62.5°	30.0
65°	24.7
67.5°	21.2
70°	17.7
72.5°	15.9
75°	14.1
77.5°	10.6
80°	8.8
82.5°	5.3
85°	3.5
87.5°	1.8
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)