

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: P642790

Luminaire Tested: ML5615LSNFL259FS1E - 593SNB - 900LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 593SNB - 900LM - 5000K
Description: ML56 RR, 25D TIR OPTIC, 5" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1145.2 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

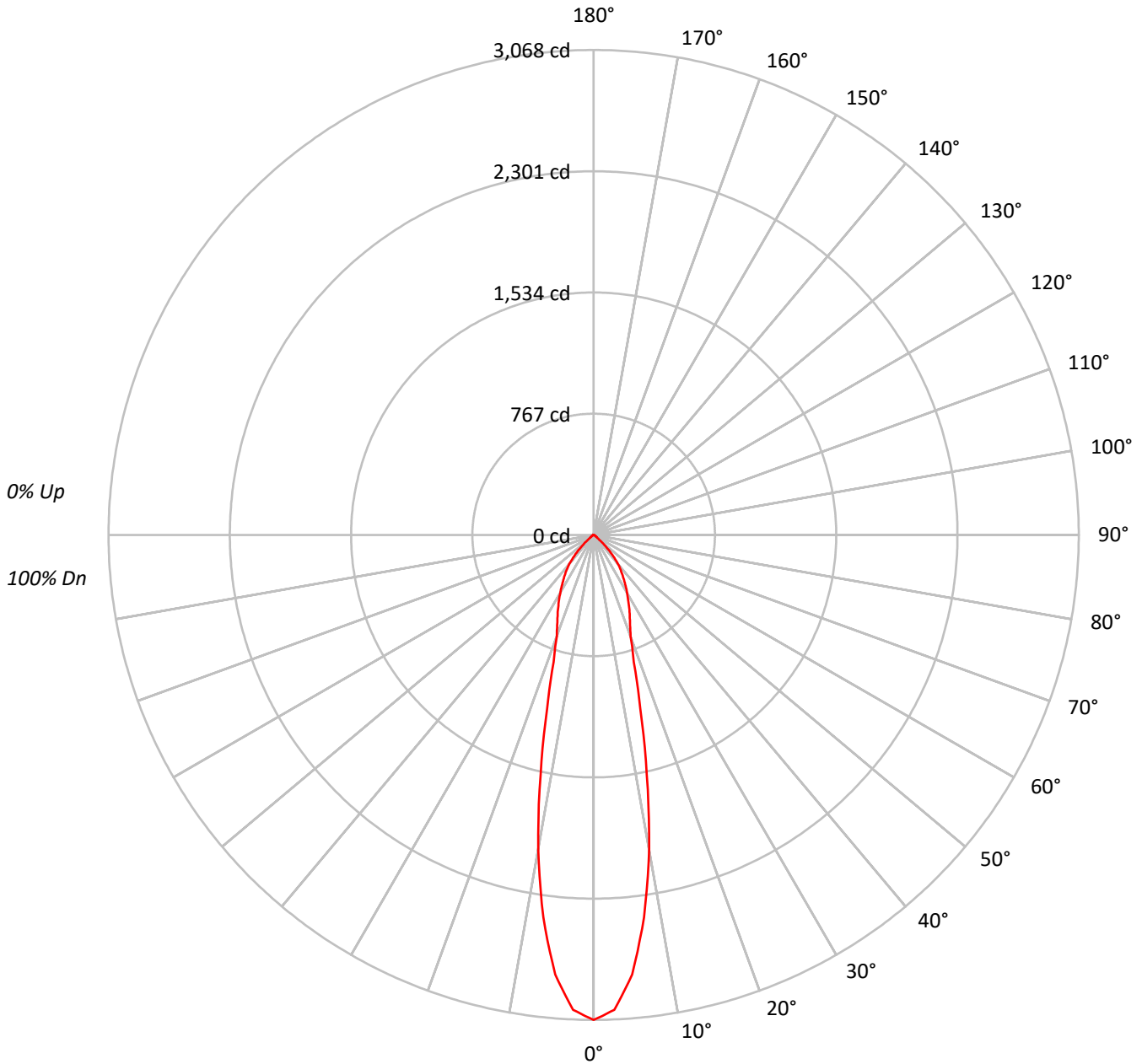
Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			94	
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			88	
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83			83	
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77			77	
5	94	86	81	77	93	85	80	76	84	79	76	82	78	75	80	77	74	73			73	
6	90	82	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69			69	
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	66	65			65	
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62			62	
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59			59	
10	76	67	61	58	75	66	61	58	66	61	58	65	61	58	64	60	57	56			56	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242214
5°	221150
10°	161720
15°	92849
20°	57226
25°	46756
30°	38458
35°	31233
40°	24608
45°	14982
50°	4753
55°	2505
60°	1800
65°	1065
70°	531
75°	336
80°	500
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14982 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.1	21.1
10°-20°	326.2	28.5
20°-30°	246.9	21.6
30°-40°	202.9	17.7
40°-50°	102.0	8.9
50°-60°	18.2	1.6
60°-70°	5.9	0.5
70°-80°	1.6	0.1
80°-90°	0.4	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°	814.2	71.1
0°-40°	1017.1	88.8
0°-60°	1137.3	99.3
0°-90°	1145.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3068	
5°	2791	241
15°	1136	326
25°	537	247
35°	324	203
45°	134	102
55°	18	18
65°	6	6
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3068.3
2.5°	3006.8
5°	2790.8
7.5°	2439.4
10°	2017.5
12.5°	1552.3
15°	1136.1
17.5°	843.8
20°	681.2
22.5°	598.2
25°	536.8
27.5°	476.5
30°	421.9
32.5°	370.7
35°	324.1
37.5°	280.9
40°	238.8
42.5°	183.1
45°	134.2
47.5°	81.9
50°	38.7
52.5°	23.9
55°	18.2
57.5°	14.8
60°	11.4
62.5°	8.0
65°	5.7
67.5°	3.4
70°	2.3
72.5°	2.3
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
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)