

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: P642746

Luminaire Tested: ML5615LSNFL259FS1E - 592W - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 592W - 1200LM - 2700K
Description: ML56 RR, 25D TIR OPTIC, 5" WHITE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1321.7 lumens
Efficiency: N/A
Efficacy: 98.6 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

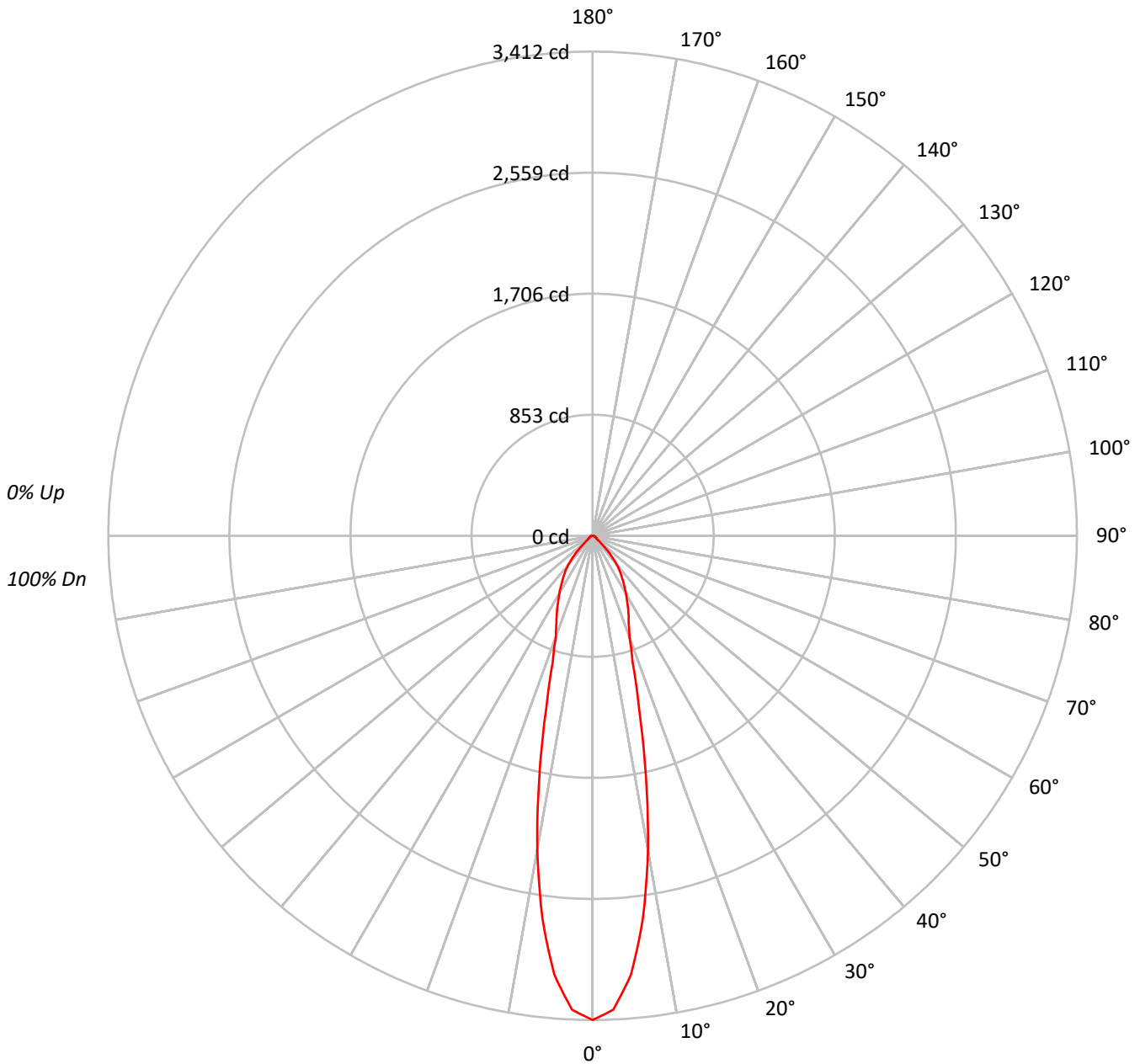
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93			93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			86
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	79	77	75			75
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71			71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	69	75	71	68	67			67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63			63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60			60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57			57
10	74	65	60	56	73	65	59	56	64	59	56	63	59	56	63	58	55	54			54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	269346
5°	245929
10°	180036
15°	103350
20°	63635
25°	51991
30°	42651
35°	34731
40°	27370
45°	16947
50°	6374
55°	4872
60°	4594
65°	4259
70°	4085
75°	4240
80°	4046
85°	3442

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16947 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.3	20.3
10°-20°	363.0	27.5
20°-30°	274.3	20.8
30°-40°	226.0	17.1
40°-50°	115.6	8.7
50°-60°	33.0	2.5
60°-70°	22.7	1.7
70°-80°	14.5	1.1
80°-90°	4.3	0.3
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°	905.6	68.5
0°-40°	1131.5	85.6
0°-60°	1280.2	96.9
0°-90°	1321.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1321.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3412	
5°	3104	268
15°	1265	363
25°	597	274
35°	360	226
45°	152	116
55°	35	33
65°	23	23
75°	14	15
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3412.0
2.5°	3343.7
5°	3103.5
7.5°	2716.5
10°	2246.0
12.5°	1730.0
15°	1264.6
17.5°	937.1
20°	757.5
22.5°	665.2
25°	596.9
27.5°	528.6
30°	467.9
32.5°	412.3
35°	360.4
37.5°	314.9
40°	265.6
42.5°	204.9
45°	151.8
47.5°	93.6
50°	51.9
52.5°	40.5
55°	35.4
57.5°	31.6
60°	29.1
62.5°	25.3
65°	22.8
67.5°	20.2
70°	17.7
72.5°	16.4
75°	13.9
77.5°	11.4
80°	8.9
82.5°	6.3
85°	3.8
87.5°	1.3
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)