

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: P642912

Luminaire Tested: ML5615LSNFL259FS1E - 692SC - 1200LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 692SC - 1200LM - 3000K
Description: ML56 RR, 25D TIR OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

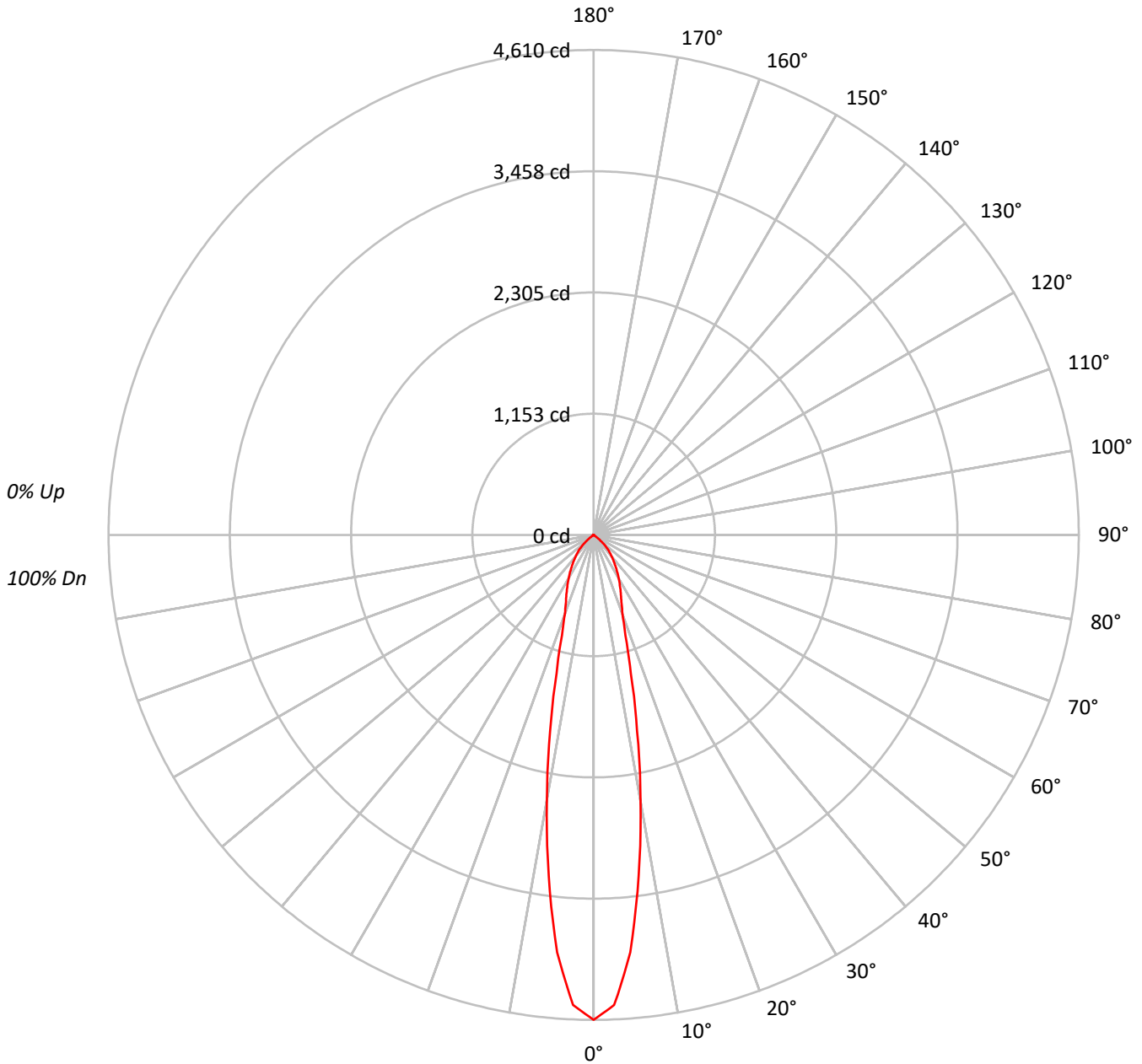
Lumens per Lamp: N/A
Luminaire Lumens: 1403.7 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.39
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89				89
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83				83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78				78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74				74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70				70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66				66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63				63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60				60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58				58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	252715
5°	219232
10°	142649
15°	77412
20°	46467
25°	36843
30°	29986
35°	24039
40°	18907
45°	14428
50°	7437
55°	1739
60°	998
65°	506
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14428 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.8	23.7
10°-20°	396.1	28.2
20°-30°	281.7	20.1
30°-40°	225.6	16.1
40°-50°	137.7	9.8
50°-60°	25.7	1.8
60°-70°	4.0	0.3
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°	1010.7	72.0
0°-40°	1236.3	88.1
0°-60°	1399.7	99.7
0°-90°	1403.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4610	
5°	3984	333
15°	1364	396
25°	609	282
35°	359	226
45°	186	138
55°	18	26
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4609.9
2.5°	4471.9
5°	3983.9
7.5°	3270.7
10°	2562.6
12.5°	1906.7
15°	1364.0
17.5°	1002.2
20°	796.5
22.5°	688.5
25°	609.1
27.5°	538.8
30°	473.7
32.5°	415.2
35°	359.2
37.5°	309.8
40°	264.2
42.5°	225.2
45°	186.1
47.5°	134.1
50°	87.2
52.5°	39.0
55°	18.2
57.5°	11.7
60°	9.1
62.5°	6.5
65°	3.9
67.5°	1.3
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)