

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: P643934

Luminaire Tested: ML5615LSWFL559FS1E - 692H - 1200LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-61)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSWFL559FS1E - 692H - 1200LM - 4000K
Description: ML56 RR, 55D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1620.4 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

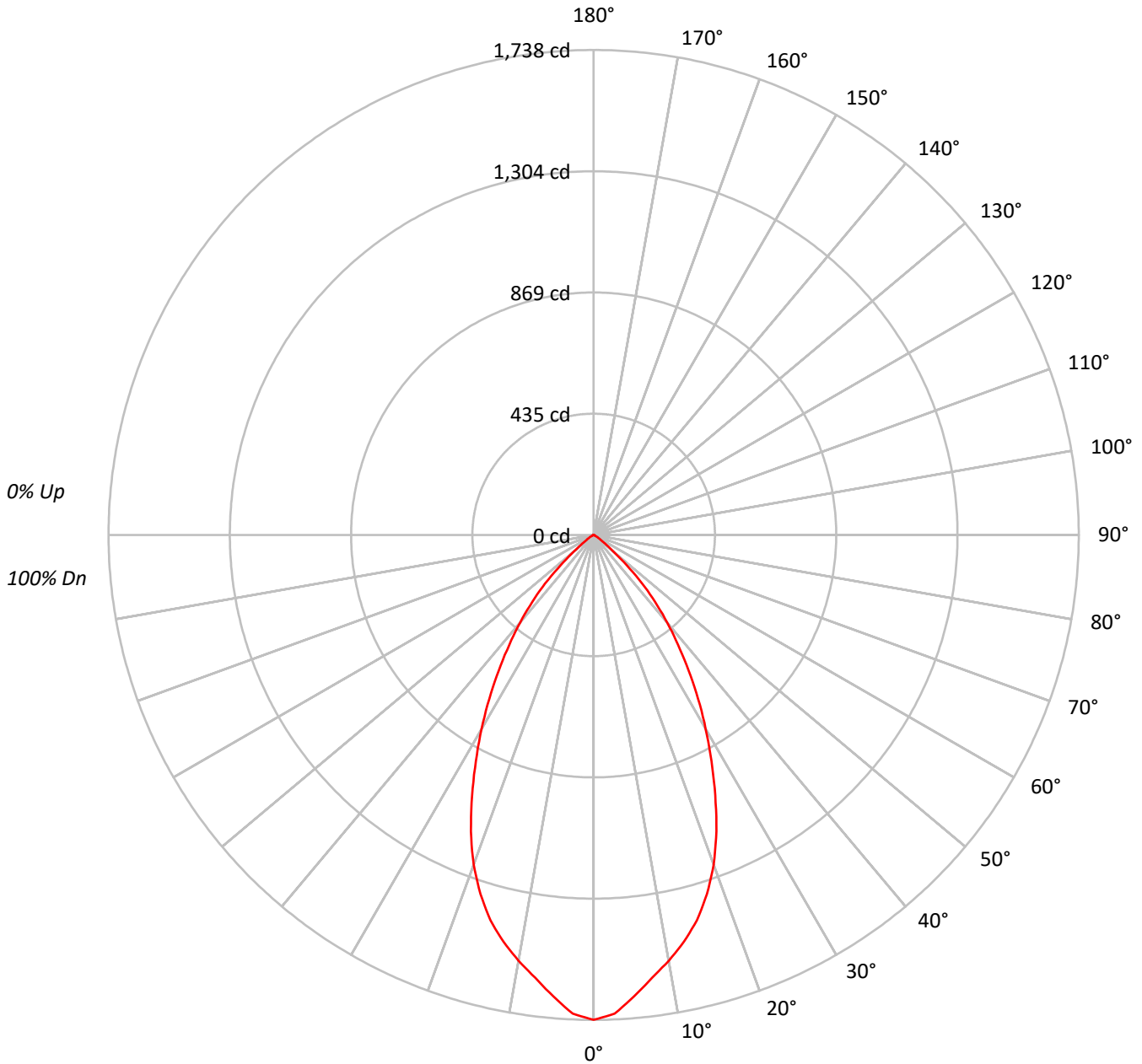
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93			93																
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86			86																
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79			79																
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	74	73			73																
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67			67																
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62			62																
7	81	71	65	61	80	71	65	60	69	64	60	68	63	60	67	63	59	58			58																
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	55	54			54																
9	73	63	57	52	72	62	56	52	61	56	52	60	56	52	60	55	52	50			50																
10	69	59	53	49	68	59	53	49	58	53	49	57	52	49	56	52	49	47			47																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95261
5°	91349
10°	86243
15°	81153
20°	73349
25°	62302
30°	50812
35°	39665
40°	29341
45°	19072
50°	7855
55°	3020
60°	1414
65°	376
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19072 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	9.6
10°-20°	398.0	24.6
20°-30°	470.8	29.1
30°-40°	370.7	22.9
40°-50°	186.7	11.5
50°-60°	34.4	2.1
60°-70°	4.2	0.3
70°-80°	0.5	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°	1023.8	63.2
0°-40°	1394.6	86.1
0°-60°	1615.6	99.7
0°-90°	1620.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1620.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1738	
5°	1660	155
15°	1430	398
25°	1030	471
35°	593	371
45°	246	187
55°	32	34
65°	3	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1737.7
2.5°	1717.6
5°	1660.0
7.5°	1601.1
10°	1549.3
12.5°	1493.2
15°	1429.9
17.5°	1349.3
20°	1257.3
22.5°	1149.4
25°	1030.0
27.5°	913.5
30°	802.7
32.5°	696.2
35°	592.7
37.5°	496.3
40°	410.0
42.5°	325.1
45°	246.0
47.5°	159.7
50°	92.1
52.5°	50.3
55°	31.6
57.5°	21.6
60°	12.9
62.5°	5.8
65°	2.9
67.5°	1.4
70°	1.4
72.5°	1.4
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)