

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: P643903

Luminaire Tested: ML5615LSWFL559FS1E - 596WB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-58)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSWFL559FS1E - 596WB - 1200LM - 3500K
Description: ML56 RR, 55D TIR OPTIC, 5" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

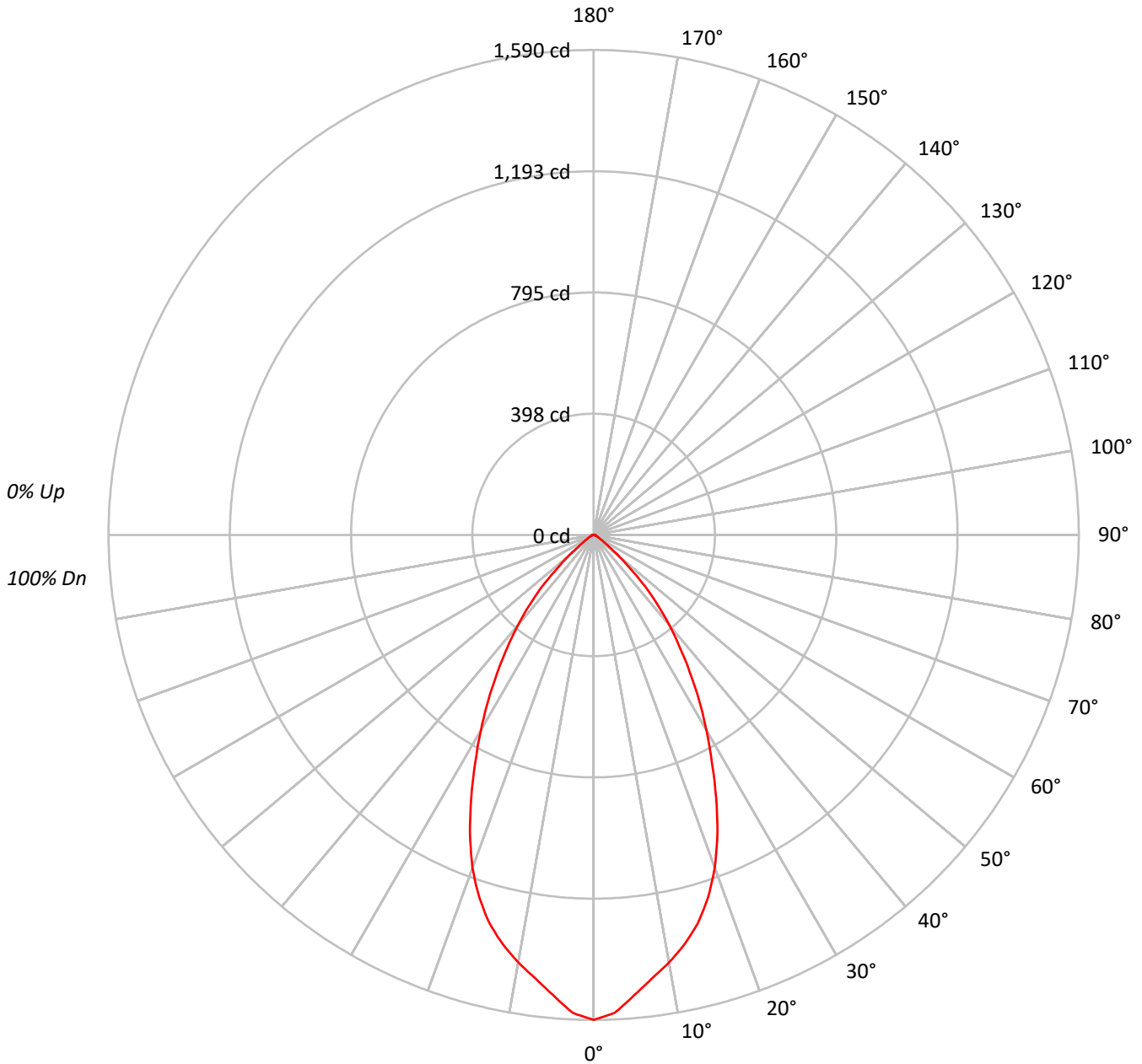
Lumens per Lamp: N/A
Luminaire Lumens: 1536.7 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.89
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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									
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	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92																
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85			85																
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	81	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	63	61			61																
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57			57																
8	76	66	59	55	75	65	59	55	64	59	55	63	58	54	62	58	54	53			53																
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	59	54	51	49			49																
10	69	58	52	48	67	58	52	48	57	51	48	56	51	48	55	51	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	125532
5°	120084
10°	114082
15°	107788
20°	97558
25°	82642
30°	67362
35°	52926
40°	39798
45°	26559
50°	12797
55°	5698
60°	3584
65°	2503
70°	1846
75°	1220
80°	2409
85°	3623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26559 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.8	9.2
10°-20°	367.1	23.9
20°-30°	433.7	28.2
30°-40°	344.0	22.4
40°-50°	181.3	11.8
50°-60°	44.1	2.9
60°-70°	14.0	0.9
70°-80°	6.4	0.4
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°	942.6	61.3
0°-40°	1286.6	83.7
0°-60°	1512.0	98.4
0°-90°	1536.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1536.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1590	
5°	1515	142
15°	1319	367
25°	949	434
35°	549	344
45°	238	181
55°	41	44
65°	13	14
75°	4	6
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1590.2
2.5°	1568.8
5°	1515.4
7.5°	1465.9
10°	1423.2
12.5°	1375.1
15°	1318.9
17.5°	1246.8
20°	1161.3
22.5°	1059.7
25°	948.8
27.5°	839.2
30°	739.0
32.5°	642.8
35°	549.2
37.5°	463.7
40°	386.2
42.5°	310.0
45°	237.9
47.5°	159.0
50°	104.2
52.5°	65.5
55°	41.4
57.5°	29.4
60°	22.7
62.5°	17.4
65°	13.4
67.5°	10.7
70°	8.0
72.5°	6.7
75°	4.0
77.5°	6.7
80°	5.3
82.5°	5.3
85°	4.0
87.5°	4.0
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)