

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: P643205

Luminaire Tested: ML5615LSVWFL759FS1E - 594WB - 1500LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-78)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 594WB - 1500LM - 5000K
Description: ML56 RR, 75D TIR OPTIC, 5" WHITE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1945.2 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.09
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

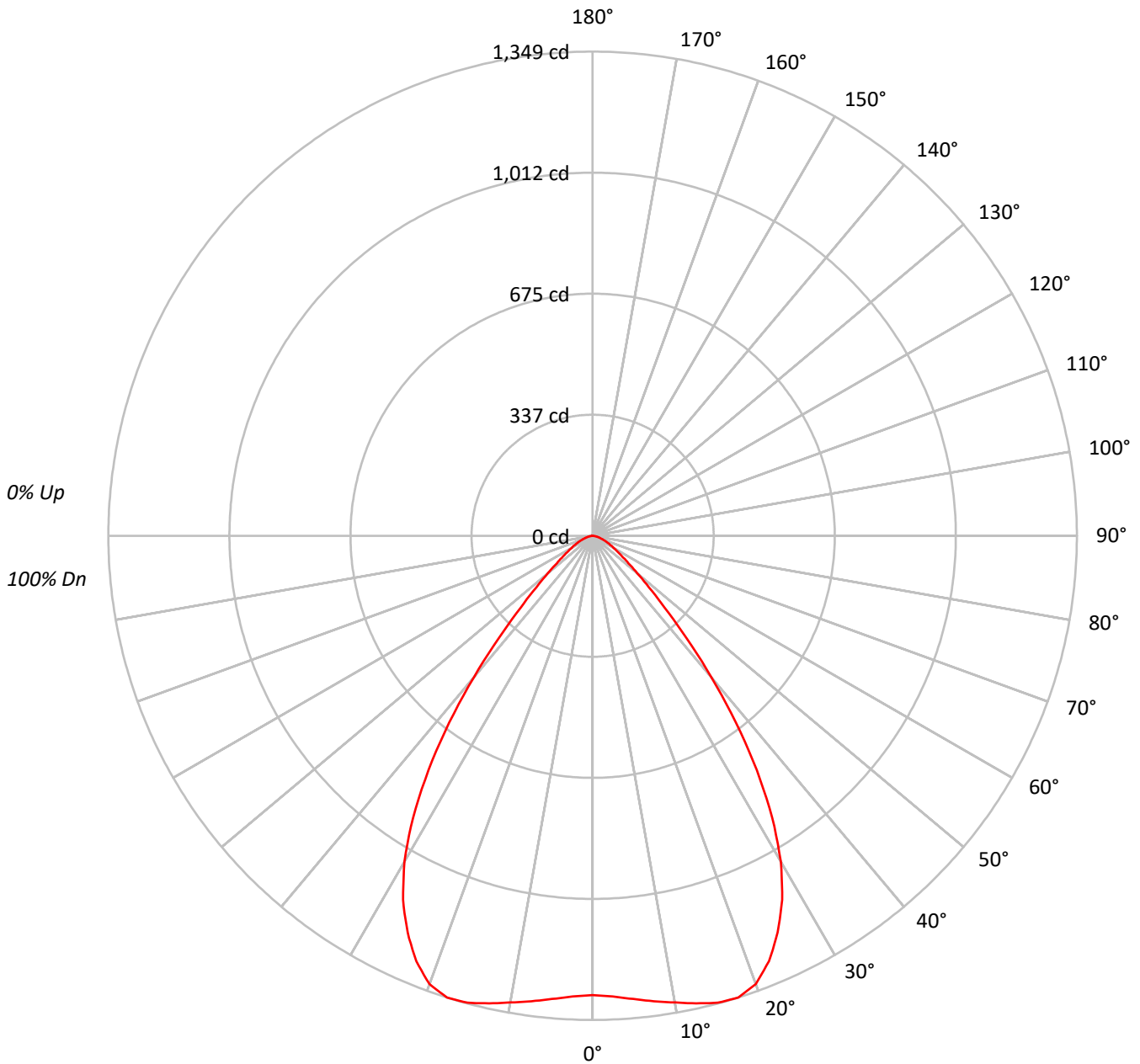
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83				83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75				75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68				68
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62				62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	72	61	55	50	60	54	50	59	54	50	58	53	50	48				48
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	50	46	44				44
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41				41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101021
5°	102667
10°	105842
15°	110076
20°	111662
25°	106229
30°	95547
35°	76825
40°	53009
45°	31572
50°	19969
55°	13873
60°	10610
65°	8592
70°	6924
75°	5399
80°	3228
85°	1630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31572 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	6.4
10°-20°	379.7	19.5
20°-30°	555.7	28.6
30°-40°	490.6	25.2
40°-50°	232.6	12.0
50°-60°	94.0	4.8
60°-70°	46.9	2.4
70°-80°	18.9	1.0
80°-90°	2.4	0.1
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°	1059.9	54.5
0°-40°	1550.5	79.7
0°-60°	1877.0	96.5
0°-90°	1945.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1945.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1280	
5°	1296	124
15°	1347	380
25°	1220	556
35°	797	491
45°	283	233
55°	101	94
65°	46	47
75°	18	19
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1279.7
2.5°	1285.0
5°	1295.6
7.5°	1308.0
10°	1320.4
12.5°	1334.5
15°	1346.9
17.5°	1348.7
20°	1329.2
22.5°	1283.3
25°	1219.6
27.5°	1143.6
30°	1048.2
32.5°	931.5
35°	797.2
37.5°	655.8
40°	514.4
42.5°	387.1
45°	282.8
47.5°	212.1
50°	162.6
52.5°	125.5
55°	100.8
57.5°	81.3
60°	67.2
62.5°	56.6
65°	46.0
67.5°	38.9
70°	30.0
72.5°	23.0
75°	17.7
77.5°	12.4
80°	7.1
82.5°	3.5
85°	1.8
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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