

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: P643067

Luminaire Tested: ML5615LSVWFL759FS1E - 592H - 1500LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-72)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 592H - 1500LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 5" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1727.3 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.07
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

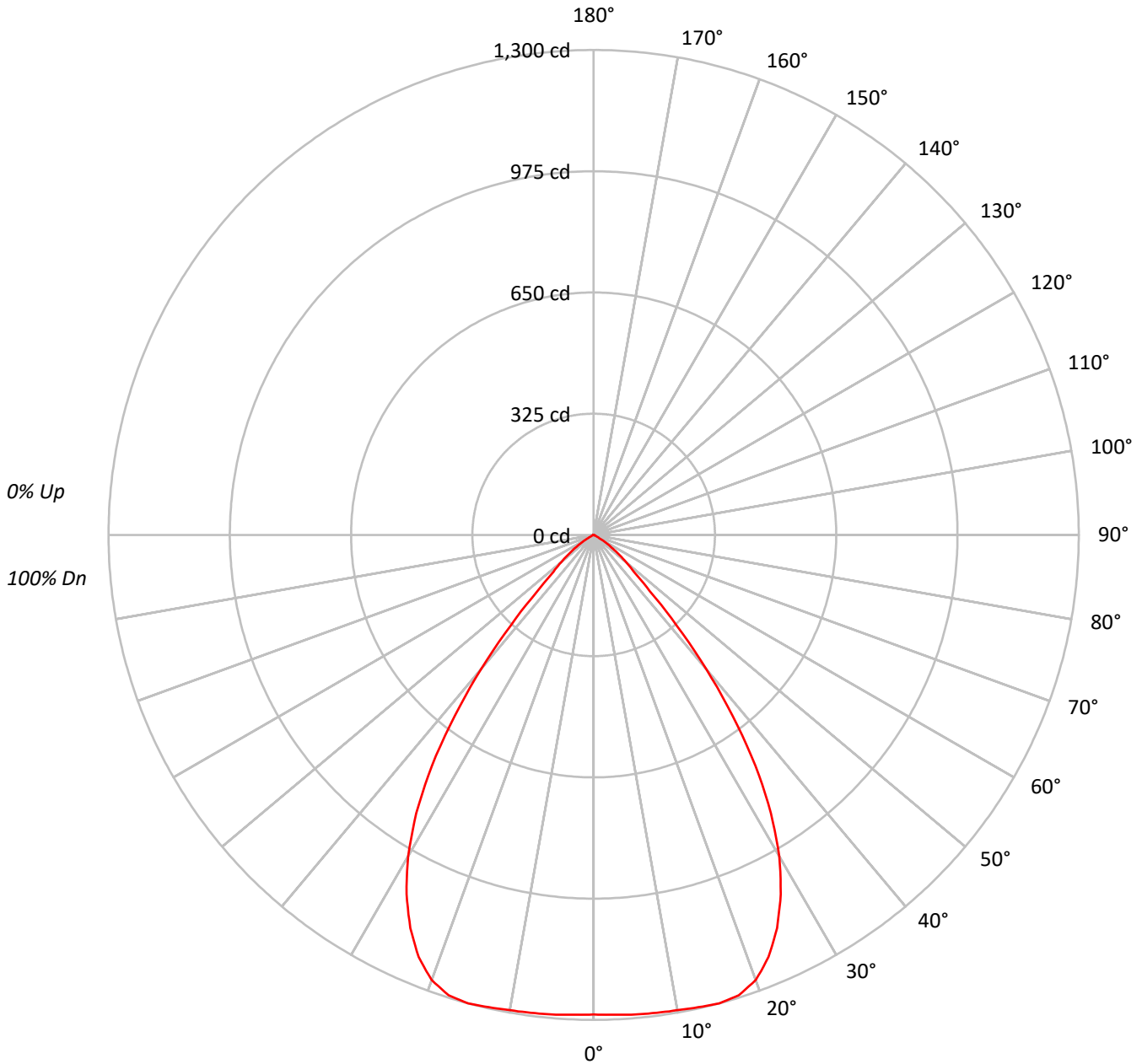
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P643067

CATALOG NUMBER: ML5615LSVWFL759FS1E - 592H - 1500LM - 3000K

Luminous Intensity Polar Plot





TEST NUMBER: P643067

CATALOG NUMBER: ML5615LSVWFL759FS1E - 592H - 1500LM - 3000K

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	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	101	97	93	105	100	96	92	96	93	90	93	91	88	91	88	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78	78	78	78
4	95	87	81	76	93	85	80	75	83	78	75	81	77	74	79	76	73	71	71	71	71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65	65	65	65
6	84	74	68	63	83	74	67	63	72	67	63	71	66	62	69	65	62	60	60	60	60
7	79	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55	55	55	55
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51	51	51	51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48	48	48	48
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44	44	44	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101494
5°	102262
10°	103701
15°	106252
20°	106664
25°	101264
30°	90670
35°	72894
40°	48279
45°	23746
50°	13939
55°	8148
60°	2779
65°	598
70°	369
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23746 cd/sqm



TEST NUMBER: P643067

CATALOG NUMBER: ML5615LSVWFL759FS1E - 592H - 1500LM - 3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	7.1
10°-20°	366.3	21.2
20°-30°	529.2	30.6
30°-40°	462.0	26.7
40°-50°	185.6	10.7
50°-60°	54.5	3.2
60°-70°	5.9	0.3
70°-80°	0.6	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°	1018.8	59.0
0°-40°	1480.7	85.7
0°-60°	1720.8	99.6
0°-90°	1727.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1727.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1286	
5°	1290	123
15°	1300	366
25°	1163	529
35°	756	462
45°	213	186
55°	59	54
65°	3	6
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P643067

CATALOG NUMBER: ML5615LSVWFL759FS1E - 592H - 1500LM - 3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1285.7
2.5°	1287.3
5°	1290.5
7.5°	1292.1
10°	1293.7
12.5°	1296.9
15°	1300.1
17.5°	1293.7
20°	1269.7
22.5°	1224.9
25°	1162.6
27.5°	1085.8
30°	994.7
32.5°	884.3
35°	756.4
37.5°	610.9
40°	468.5
42.5°	329.4
45°	212.7
47.5°	145.5
50°	113.5
52.5°	83.2
55°	59.2
57.5°	38.4
60°	17.6
62.5°	9.6
65°	3.2
67.5°	1.6
70°	1.6
72.5°	1.6
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)