

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: P643247

Luminaire Tested: ML5615LSVWFL759FS1E - 692H - 1500LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-84)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 692H - 1500LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

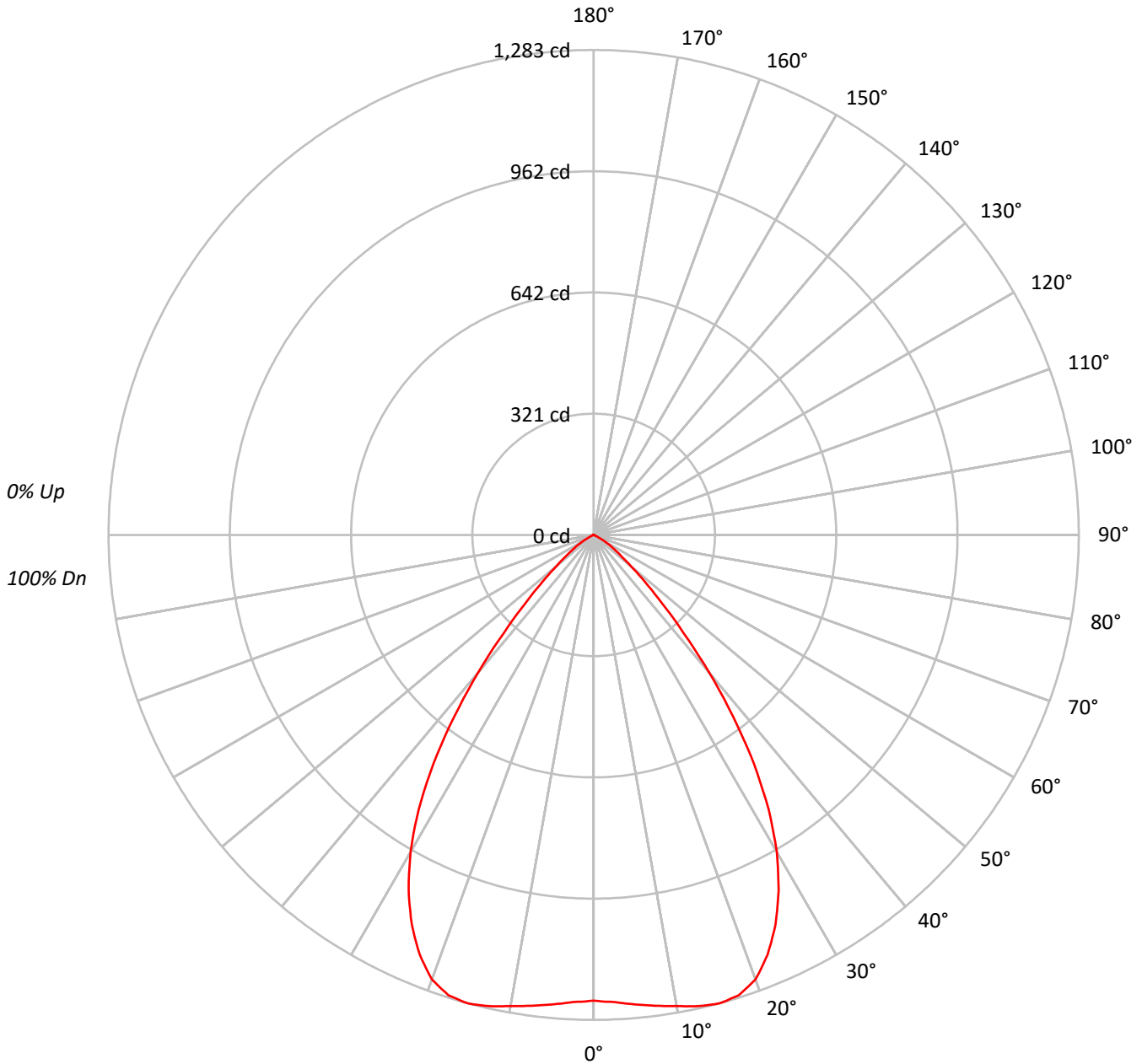
Lumens per Lamp: N/A
Luminaire Lumens: 1735.3 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.08
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P643247
CATALOG NUMBER: ML5615LSVWFL759FS1E - 692H - 1500LM - 3000K

Luminous Intensity Polar Plot





TEST NUMBER: P643247

CATALOG NUMBER: ML5615LSVWFL759FS1E - 692H - 1500LM - 3000K

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	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																												
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																												
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																												
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																												
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70																												
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65																												
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																												
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55																												
8	74	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50																												
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47																												
10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	607992
5°	617446
10°	634154
15°	655540
20°	657092
25°	619509
30°	551817
35°	444742
40°	305736
45°	177297
50°	98171
55°	59094
60°	31576
65°	9339
70°	2308
75°	3050
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 177297 cd/sqm



TEST NUMBER: P643247

CATALOG NUMBER: ML5615LSVWFL759FS1E - 692H - 1500LM - 3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.6	6.9
10°-20°	361.0	20.8
20°-30°	518.0	29.9
30°-40°	453.6	26.1
40°-50°	207.2	11.9
50°-60°	64.4	3.7
60°-70°	10.3	0.6
70°-80°	1.0	0.1
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°	998.6	57.5
0°-40°	1452.2	83.7
0°-60°	1723.9	99.3
0°-90°	1735.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1735.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1232	
5°	1247	120
15°	1283	361
25°	1138	518
35°	738	454
45°	254	207
55°	69	64
65°	8	10
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P643247

CATALOG NUMBER: ML5615LSVWFL759FS1E - 692H - 1500LM - 3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1232.3
2.5°	1237.1
5°	1246.7
7.5°	1256.3
10°	1265.8
12.5°	1277.0
15°	1283.4
17.5°	1277.0
20°	1251.5
22.5°	1201.9
25°	1138.0
27.5°	1059.7
30°	968.6
32.5°	861.5
35°	738.4
37.5°	605.8
40°	474.7
42.5°	351.6
45°	254.1
47.5°	182.2
50°	127.9
52.5°	92.7
55°	68.7
57.5°	49.5
60°	32.0
62.5°	14.4
65°	8.0
67.5°	3.2
70°	1.6
72.5°	1.6
75°	1.6
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)