

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: P643373

Luminaire Tested: ML5615LSVWFL759FS1E - 694WB - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-90)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 694WB - 900LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" WHITE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1166.5 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

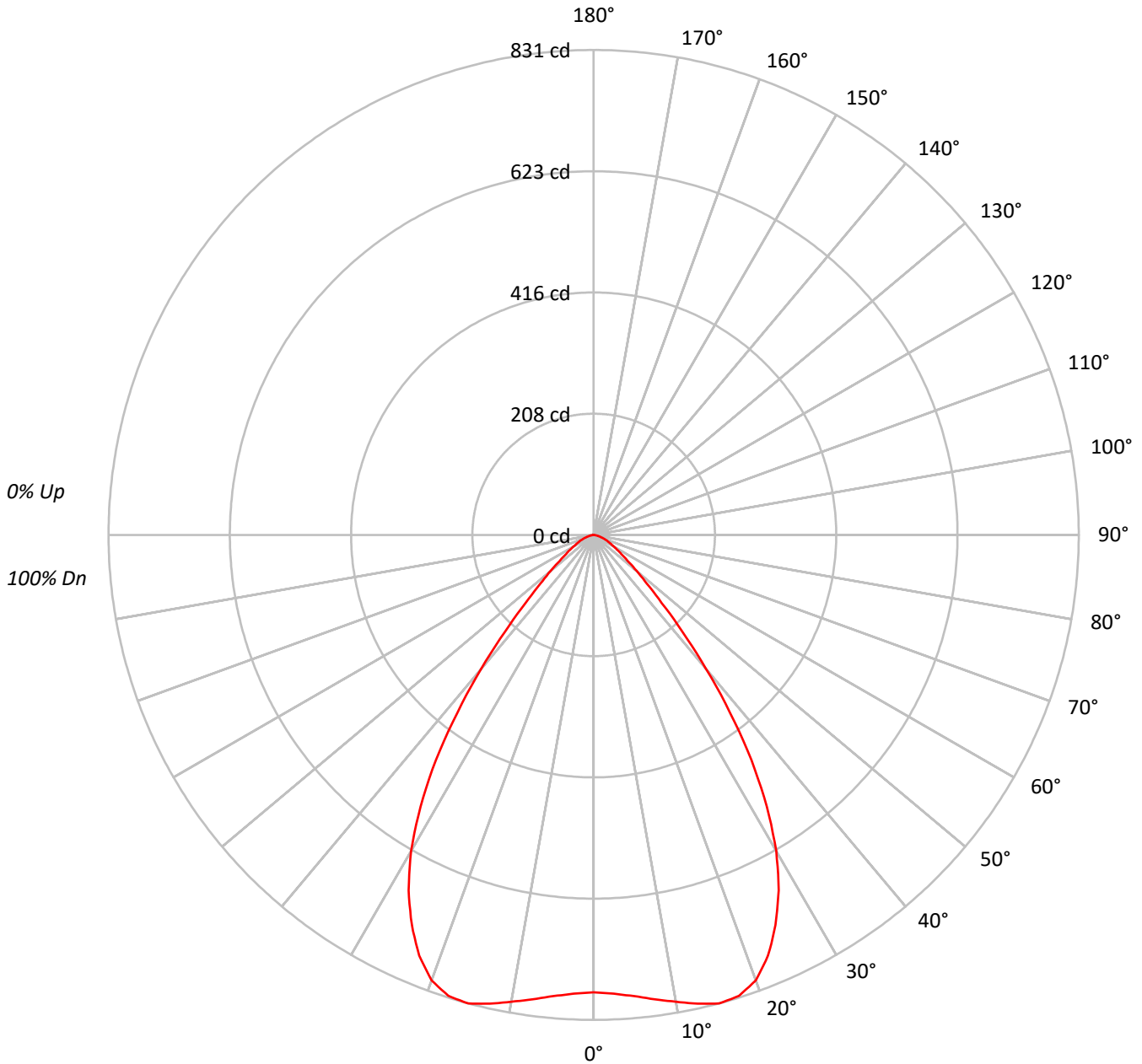
Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P643373

CATALOG NUMBER: ML5615LSVWFL759FS1E - 694WB - 900LM - 3500K

Luminous Intensity Polar Plot





TEST NUMBER: P643373

CATALOG NUMBER: ML5615LSVWFL759FS1E - 694WB - 900LM - 3500K

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	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	85	83					83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75					75			
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68					68			
5	88	78	71	66	86	77	71	66	75	69	65	73	68	65	72	67	64	62					62			
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57					57			
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53					53			
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48					48			
9	69	58	51	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45					45			
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42					42			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42957
5°	43644
10°	45212
15°	47174
20°	47382
25°	44591
30°	39576
35°	31521
40°	21462
45°	12777
50°	8196
55°	5649
60°	4397
65°	3567
70°	2885
75°	2245
80°	1326
85°	692

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12777 cd/sqm



TEST NUMBER: P643373

CATALOG NUMBER: ML5615LSVWFL759FS1E - 694WB - 900LM - 3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	6.5
10°-20°	233.5	20.0
20°-30°	335.7	28.8
30°-40°	289.5	24.8
40°-50°	135.4	11.6
50°-60°	55.5	4.8
60°-70°	27.8	2.4
70°-80°	11.3	1.0
80°-90°	1.4	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°	645.5	55.3
0°-40°	935.1	80.2
0°-60°	1126.0	96.5
0°-90°	1166.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	784	
5°	793	76
15°	831	234
25°	737	336
35°	471	290
45°	165	135
55°	59	56
65°	28	28
75°	11	11
85°	1	1
90°	0	



TEST NUMBER: P643373

CATALOG NUMBER: ML5615LSVWFL759FS1E - 694WB - 900LM - 3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	783.6
2.5°	786.8
5°	793.1
7.5°	802.6
10°	812.2
12.5°	822.7
15°	831.2
17.5°	828.0
20°	812.2
22.5°	780.5
25°	737.2
27.5°	686.5
30°	625.2
32.5°	552.3
35°	471.0
37.5°	383.4
40°	299.9
42.5°	223.9
45°	164.8
47.5°	123.6
50°	96.1
52.5°	73.9
55°	59.1
57.5°	48.6
60°	40.1
62.5°	32.7
65°	27.5
67.5°	23.2
70°	18.0
72.5°	13.7
75°	10.6
77.5°	7.4
80°	4.2
82.5°	2.1
85°	1.1
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)