

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: P643721

Luminaire Tested: ML5615LSVWFL9FS1E - 696WB - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-115)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 696WB - 1200LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

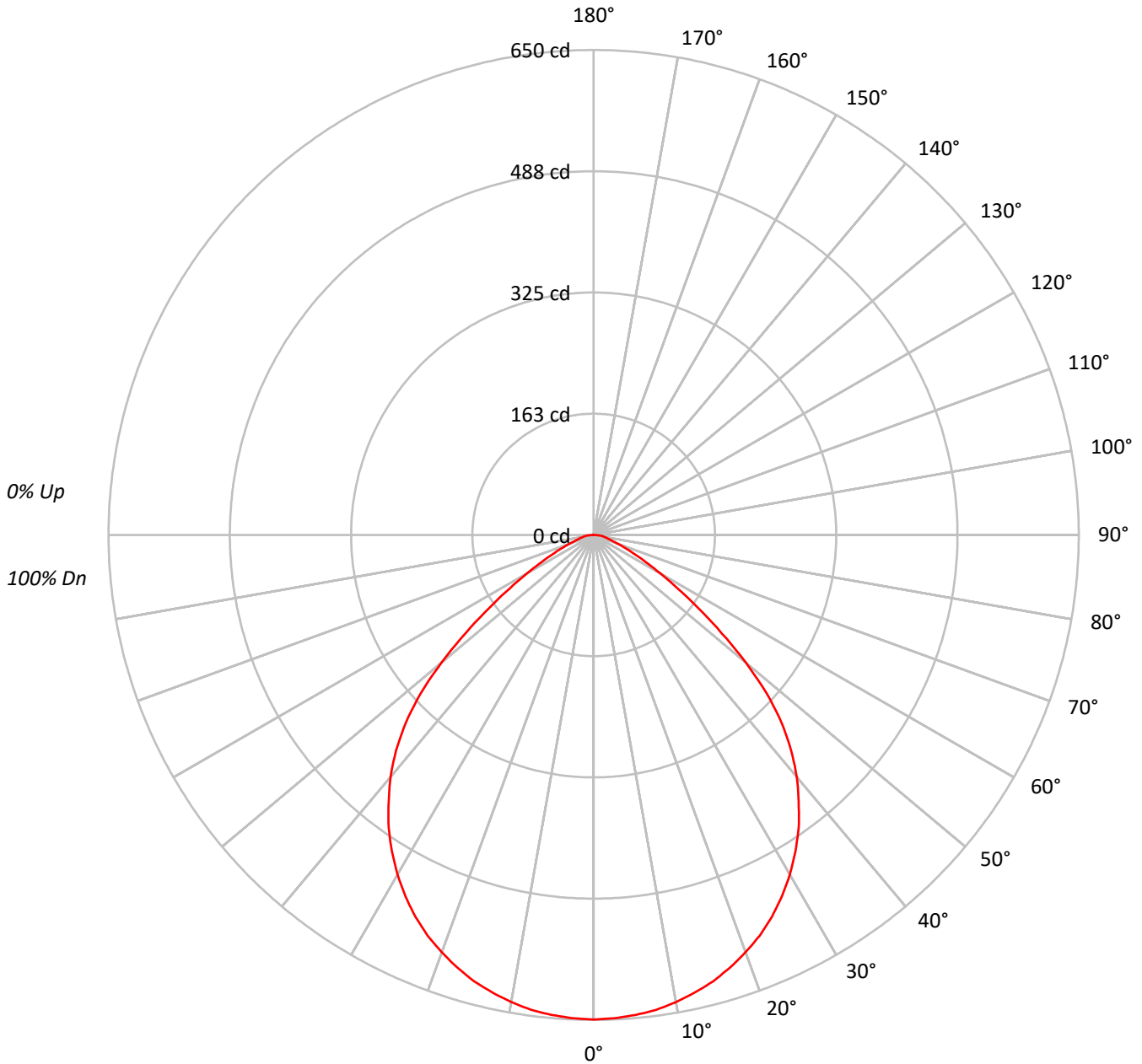
Lumens per Lamp: N/A
Luminaire Lumens: 1314.1 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P643721
CATALOG NUMBER: ML5615LSVWFL9FS1E - 696WB - 1200LM - 2700K

Luminous Intensity Polar Plot





TEST NUMBER: P643721

CATALOG NUMBER: ML5615LSVWFL9FS1E - 696WB - 1200LM - 2700K

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
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	60			60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53			53
6	76	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48			48
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43			43
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	44	40	39			39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35611
5°	35538
10°	35387
15°	35142
20°	34723
25°	34169
30°	33277
35°	32056
40°	30300
45°	27631
50°	22635
55°	16305
60°	11227
65°	7705
70°	5466
75°	4279
80°	4388
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27631 cd/sqm



TEST NUMBER: P643721

CATALOG NUMBER: ML5615LSVWFL9FS1E - 696WB - 1200LM - 2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	4.7
10°-20°	174.5	13.3
20°-30°	259.7	19.8
30°-40°	298.4	22.7
40°-50°	270.8	20.6
50°-60°	156.3	11.9
60°-70°	62.0	4.7
70°-80°	23.3	1.8
80°-90°	7.7	0.6
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°	495.6	37.7
0°-40°	793.9	60.4
0°-60°	1221.1	92.9
0°-90°	1314.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1314.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	650	
5°	646	61
15°	619	175
25°	565	260
35°	479	298
45°	356	271
55°	171	156
65°	59	62
75°	20	23
85°	8	8
90°	0	



TEST NUMBER: P643721

CATALOG NUMBER: ML5615LSVWFL9FS1E - 696WB - 1200LM - 2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	649.6
2.5°	648.3
5°	645.8
7.5°	642.0
10°	635.7
12.5°	628.1
15°	619.2
17.5°	607.9
20°	595.2
22.5°	581.3
25°	564.9
27.5°	546.0
30°	525.7
32.5°	503.0
35°	479.0
37.5°	451.2
40°	423.4
42.5°	391.8
45°	356.4
47.5°	314.7
50°	265.4
52.5°	216.1
55°	170.6
57.5°	132.7
60°	102.4
62.5°	78.4
65°	59.4
67.5°	45.5
70°	34.1
72.5°	26.5
75°	20.2
77.5°	17.7
80°	13.9
82.5°	11.4
85°	7.6
87.5°	2.5
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)