

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: P643702

Luminaire Tested: ML5615LSVWFL9FS1E - 694TBZB - 900LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-114)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 694TBZB - 900LM - 3000K
Description: ML56 RR, MILKY OPTIC, 6" TUSCON BRONZE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

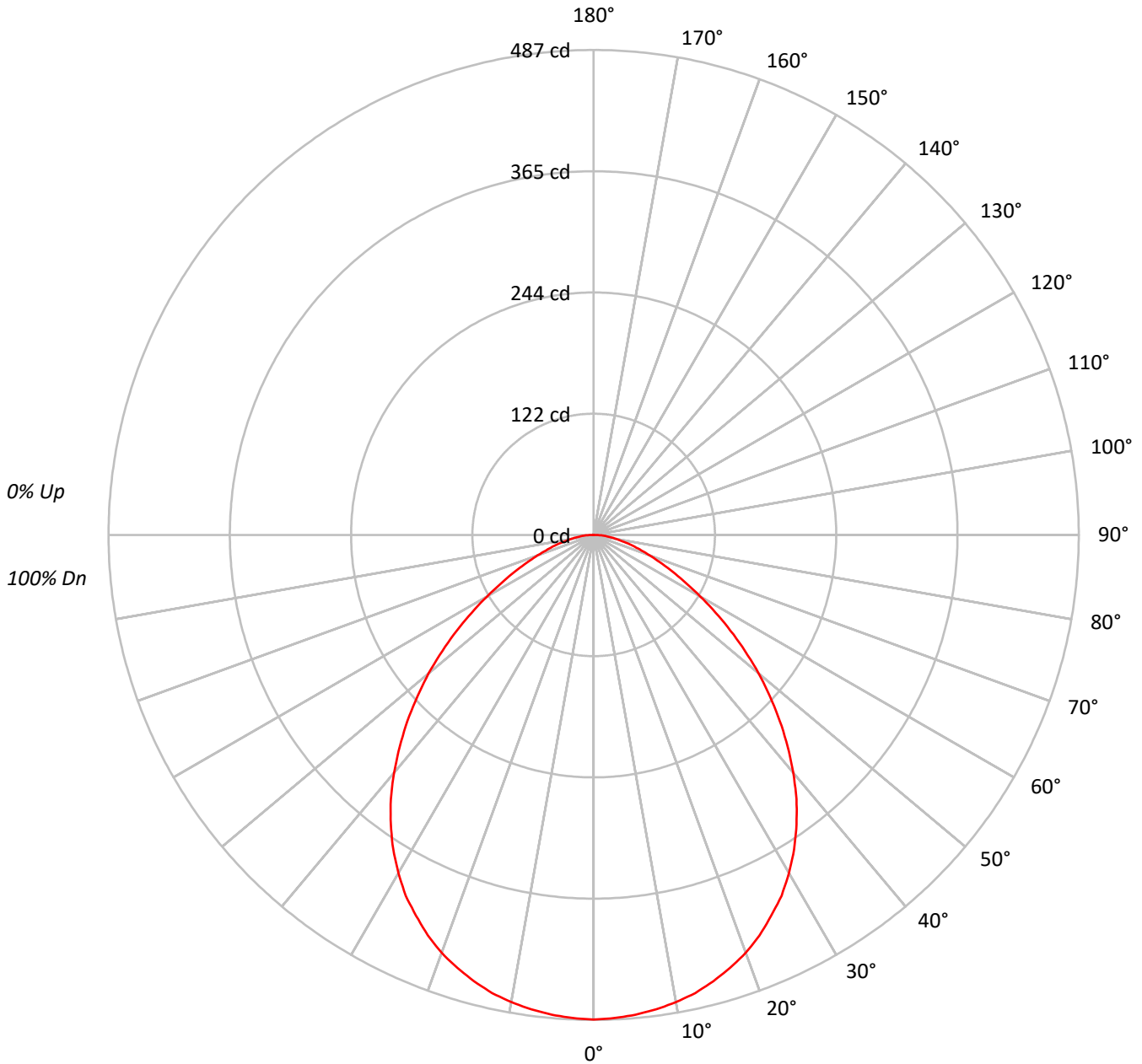
Lumens per Lamp: N/A
Luminaire Lumens: 1088.2 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.27
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P643702
CATALOG NUMBER: ML5615LSVWFL9FS1E - 694TBZB - 900LM - 3000K

Luminous Intensity Polar Plot





TEST NUMBER: P643702

CATALOG NUMBER: ML5615LSVWFL9FS1E - 694TBZB - 900LM - 3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87																			
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74																			
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64																			
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56																			
5	80	68	59	53	78	67	59	53	64	58	52	63	57	52	61	56	51	49																			
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44																			
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39																			
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35																			
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32																			
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26681
5°	26612
10°	26519
15°	26334
20°	26048
25°	25514
30°	24814
35°	23758
40°	22306
45°	20498
50°	18430
55°	16028
60°	13541
65°	11350
70°	9569
75°	8282
80°	7135
85°	7108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20498 cd/sqm



TEST NUMBER: P643702

CATALOG NUMBER: ML5615LSVWFL9FS1E - 694TBZB - 900LM - 3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	4.2
10°-20°	130.8	12.0
20°-30°	194.2	17.8
30°-40°	221.4	20.3
40°-50°	203.5	18.7
50°-60°	150.4	13.8
60°-70°	87.7	8.1
70°-80°	41.8	3.8
80°-90°	12.6	1.2
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°	371.0	34.1
0°-40°	592.4	54.4
0°-60°	946.2	86.9
0°-90°	1088.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1088.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	487	
5°	484	46
15°	464	131
25°	422	194
35°	355	221
45°	264	203
55°	168	150
65°	88	88
75°	39	42
85°	11	13
90°	0	



TEST NUMBER: P643702

CATALOG NUMBER: ML5615LSVWFL9FS1E - 694TBZB - 900LM - 3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	486.7
2.5°	485.6
5°	483.6
7.5°	480.5
10°	476.4
12.5°	471.2
15°	464.0
17.5°	455.8
20°	446.5
22.5°	435.2
25°	421.8
27.5°	408.5
30°	392.0
32.5°	374.5
35°	355.0
37.5°	334.4
40°	311.7
42.5°	288.1
45°	264.4
47.5°	239.7
50°	216.1
52.5°	191.4
55°	167.7
57.5°	145.1
60°	123.5
62.5°	103.9
65°	87.5
67.5°	72.0
70°	59.7
72.5°	48.4
75°	39.1
77.5°	29.8
80°	22.6
82.5°	16.5
85°	11.3
87.5°	7.2
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)