

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: P643612

Luminaire Tested: ML5615LSVWFL9FS1E - 692SC - 900LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-106)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 692SC - 900LM - 3000K
Description: ML56 RR, MILKY OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

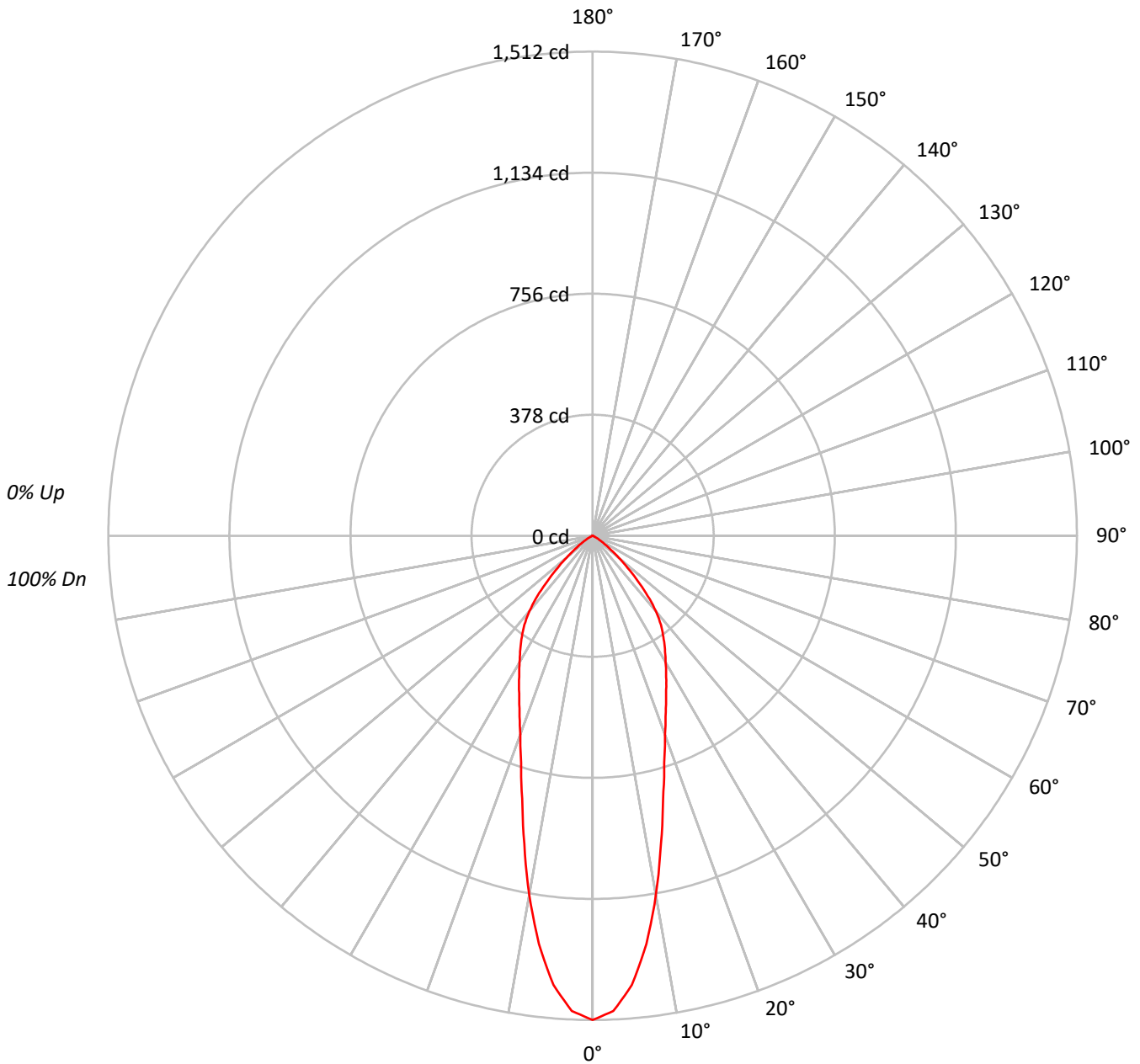
Lumens per Lamp: N/A
Luminaire Lumens: 1065.6 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.69
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10.5
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: P643612
CATALOG NUMBER: ML5615LSVWFL9FS1E - 692SC - 900LM - 3000K

Luminous Intensity Polar Plot





TEST NUMBER: P643612

CATALOG NUMBER: ML5615LSVWFL9FS1E - 692SC - 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				100															
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78				78															
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71				71															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49				49															
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82888
5°	77487
10°	63370
15°	48196
20°	38492
25°	32808
30°	28865
35°	25765
40°	21948
45°	15482
50°	9040
55°	4721
60°	2149
65°	662
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15482 cd/sqm



TEST NUMBER: P643612

CATALOG NUMBER: ML5615LSVWFL9FS1E - 692SC - 900LM - 3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	11.8
10°-20°	239.4	22.5
20°-30°	251.1	23.6
30°-40°	239.5	22.5
40°-50°	154.6	14.5
50°-60°	48.0	4.5
60°-70°	7.0	0.7
70°-80°	0.4	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°	616.1	57.8
0°-40°	855.6	80.3
0°-60°	1058.2	99.3
0°-90°	1065.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1512	
5°	1408	126
15°	849	239
25°	542	251
35°	385	239
45°	200	155
55°	49	48
65°	5	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P643612

CATALOG NUMBER: ML5615LSVWFL9FS1E - 692SC - 900LM - 3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1512.0
2.5°	1485.3
5°	1408.1
7.5°	1285.6
10°	1138.4
12.5°	985.0
15°	849.2
17.5°	743.1
20°	659.8
22.5°	596.0
25°	542.4
27.5°	497.1
30°	456.0
32.5°	419.9
35°	385.0
37.5°	350.0
40°	306.7
42.5°	255.3
45°	199.7
47.5°	148.2
50°	106.0
52.5°	73.1
55°	49.4
57.5°	31.9
60°	19.6
62.5°	11.3
65°	5.1
67.5°	2.1
70°	1.0
72.5°	1.0
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)