

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: P643269

Luminaire Tested: ML5615LSVWFL759FS1E - 692SC - 900LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-83)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 692SC - 900LM - 4000K
Description: ML56 RR, 75D TIR OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

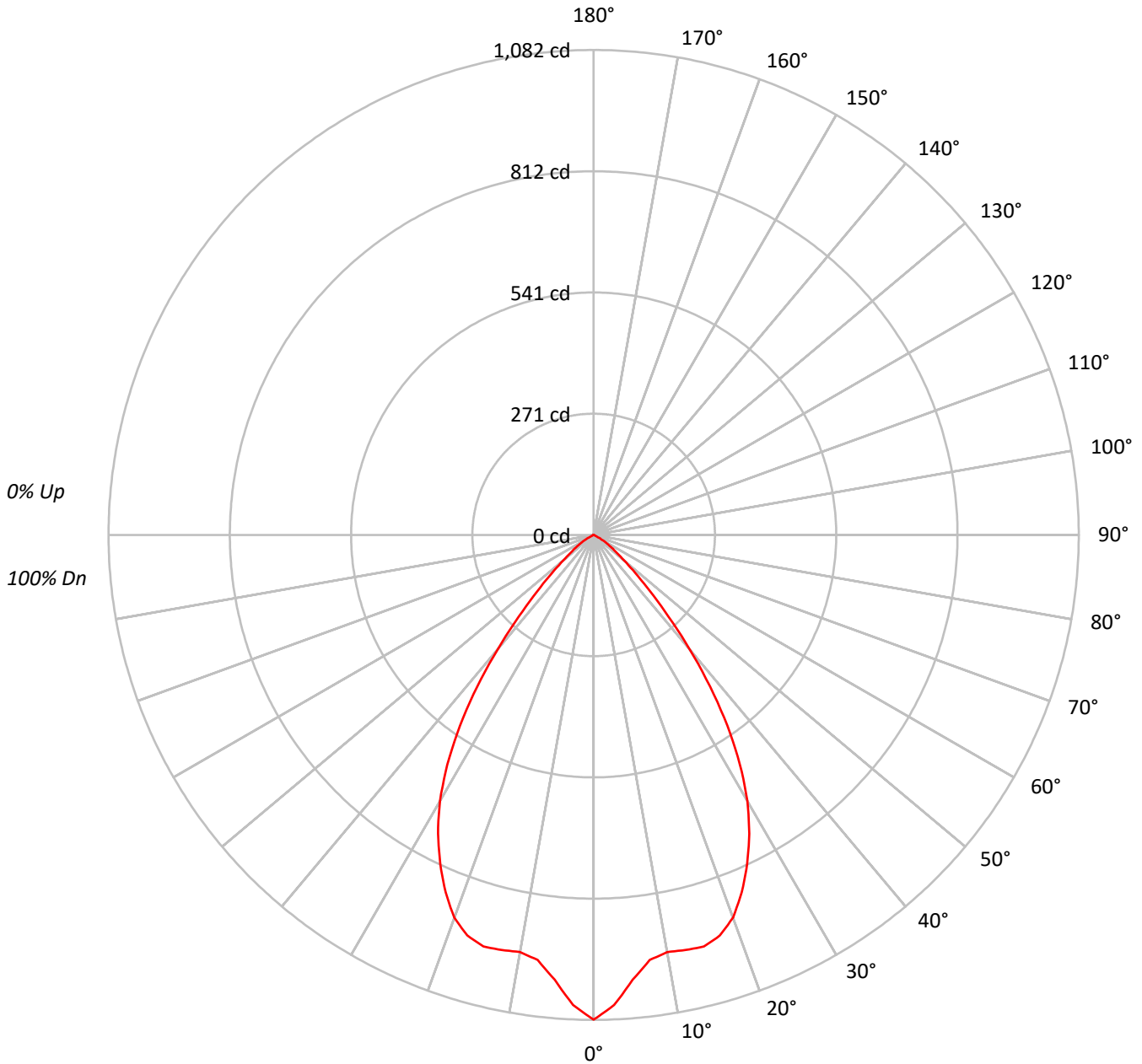
Lumens per Lamp: N/A
Luminaire Lumens: 1243.7 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P643269
CATALOG NUMBER: ML5615LSVWFL759FS1E - 692SC - 900LM - 4000K

Luminous Intensity Polar Plot





TEST NUMBER: P643269

CATALOG NUMBER: ML5615LSVWFL759FS1E - 692SC - 900LM - 4000K

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	105	103	104	102	100	100	99	97	97	95	94	92			92																
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85			85																
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78			78																
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71			71																
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65			65																
6	84	74	68	63	83	74	67	63	72	66	62	70	66	62	69	65	61	60			60																
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55			55																
8	75	65	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51			51																
9	71	60	54	50	70	60	54	49	59	53	49	58	53	49	57	52	49	47			47																
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	46	44			44																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59288
5°	54820
10°	52604
15°	53956
20°	53006
25°	48977
30°	43405
35°	34780
40°	23845
45°	13753
50°	7471
55°	4454
60°	2368
65°	584
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13753 cd/sqm



TEST NUMBER: P643269

CATALOG NUMBER: ML5615LSVWFL759FS1E - 692SC - 900LM - 4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	7.5
10°-20°	266.2	21.4
20°-30°	369.8	29.7
30°-40°	319.6	25.7
40°-50°	144.5	11.6
50°-60°	43.6	3.5
60°-70°	6.5	0.5
70°-80°	0.0	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°	729.5	58.7
0°-40°	1049.1	84.4
0°-60°	1237.2	99.5
0°-90°	1243.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1243.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1082	
5°	996	93
15°	951	266
25°	810	370
35°	520	320
45°	177	144
55°	47	44
65°	4	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P643269
CATALOG NUMBER: ML5615LSVWFL759FS1E - 692SC - 900LM - 4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1081.5
2.5°	1049.6
5°	996.2
7.5°	956.4
10°	945.0
12.5°	948.4
15°	950.7
17.5°	937.1
20°	908.6
22.5°	863.1
25°	809.7
27.5°	751.7
30°	685.7
32.5°	607.3
35°	519.7
37.5°	426.4
40°	333.2
42.5°	246.8
45°	177.4
47.5°	125.1
50°	87.6
52.5°	62.5
55°	46.6
57.5°	33.0
60°	21.6
62.5°	10.2
65°	4.5
67.5°	1.1
70°	0.0
72.5°	0.0
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)