

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: P643307

Luminaire Tested: ML5615LSVWFL759FS1E - 693SNB - 1500LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-88)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 693SNB - 1500LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 6" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

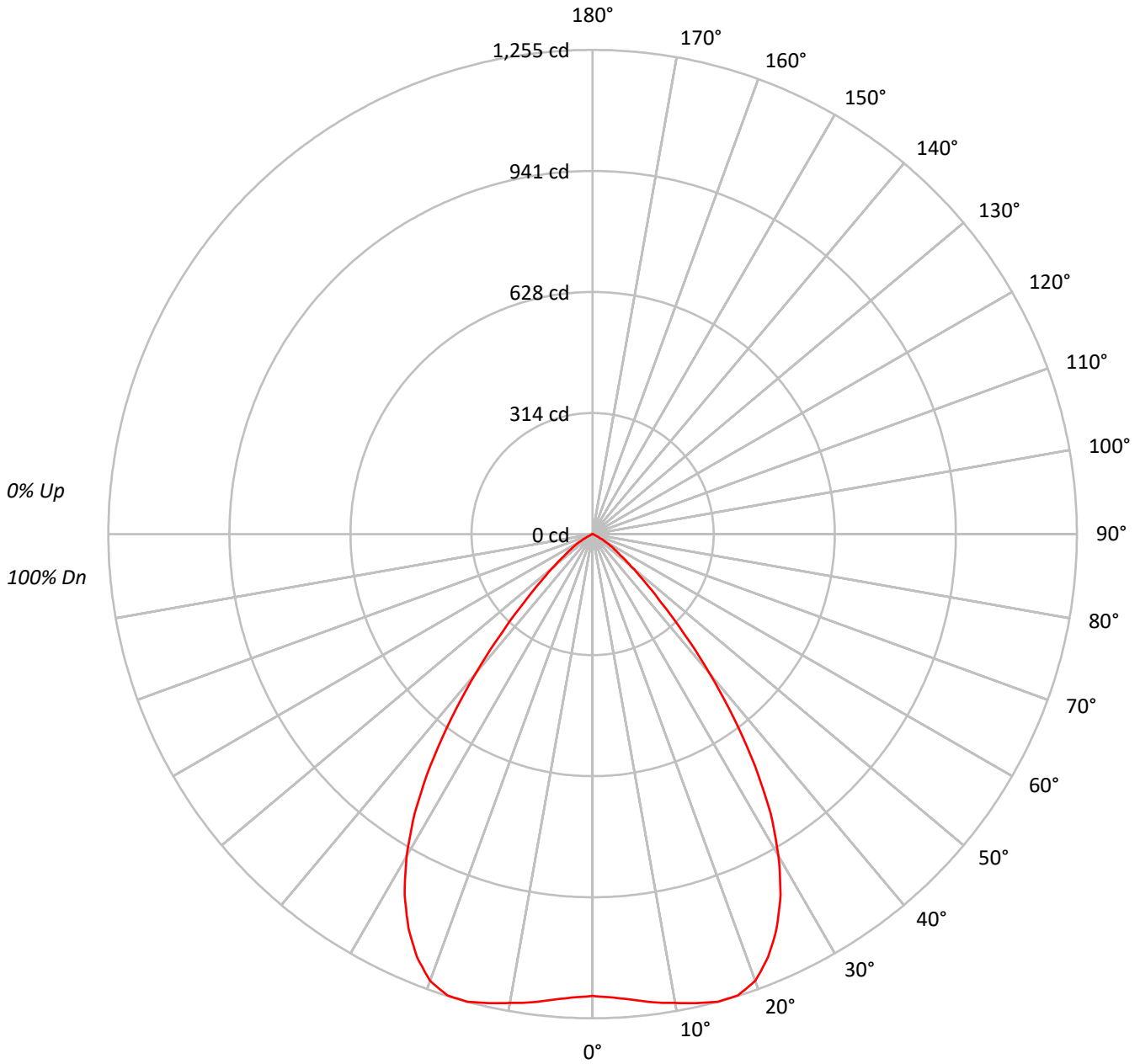
Lumens per Lamp: N/A
Luminaire Lumens: 1717.7 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 17.1
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: P643307
CATALOG NUMBER: ML5615LSVWFL759FS1E - 693SNB - 1500LM - 3000K

Luminous Intensity Polar Plot





TEST NUMBER: P643307

CATALOG NUMBER: ML5615LSVWFL759FS1E - 693SNB - 1500LM - 3000K

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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	84	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77	77	77	77
4	94	86	80	75	92	85	79	75	83	78	74	81	76	73	79	75	72	70	70	70	70
5	89	80	73	68	87	79	72	68	77	71	67	75	70	67	73	69	66	64	64	64	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	68	64	61	59	59	59	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54	54	54	54
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	46	46	46	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65636
5°	66679
10°	68697
15°	71221
20°	71902
25°	68254
30°	60997
35°	49061
40°	33677
45°	19607
50°	11198
55°	6729
60°	3684
65°	1038
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19607 cd/sqm



TEST NUMBER: P643307

CATALOG NUMBER: ML5615LSVWFL759FS1E - 693SNB - 1500LM - 3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	6.8
10°-20°	353.5	20.6
20°-30°	513.5	29.9
30°-40°	450.6	26.2
40°-50°	207.1	12.1
50°-60°	65.8	3.8
60°-70°	10.5	0.6
70°-80°	0.2	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°	983.4	57.3
0°-40°	1434.0	83.5
0°-60°	1707.0	99.4
0°-90°	1717.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1717.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1197	
5°	1212	116
15°	1255	353
25°	1128	514
35°	733	451
45°	253	207
55°	70	66
65°	8	11
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P643307

CATALOG NUMBER: ML5615LSVWFL759FS1E - 693SNB - 1500LM - 3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1197.3
2.5°	1202.1
5°	1211.7
7.5°	1224.5
10°	1234.1
12.5°	1245.3
15°	1254.9
17.5°	1253.3
20°	1232.5
22.5°	1187.7
25°	1128.4
27.5°	1054.8
30°	963.6
32.5°	857.9
35°	733.1
37.5°	600.2
40°	470.6
42.5°	352.1
45°	252.9
47.5°	182.5
50°	131.3
52.5°	92.8
55°	70.4
57.5°	51.2
60°	33.6
62.5°	16.0
65°	8.0
67.5°	1.6
70°	1.6
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)