

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: P643320

Luminaire Tested: ML5615LSVWFL759FS1E - 693TBZB - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-89)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 693TBZB - 1200LM - 5000K
Description: ML56 RR, 75D TIR OPTIC, 6" TUSCON BRONZE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

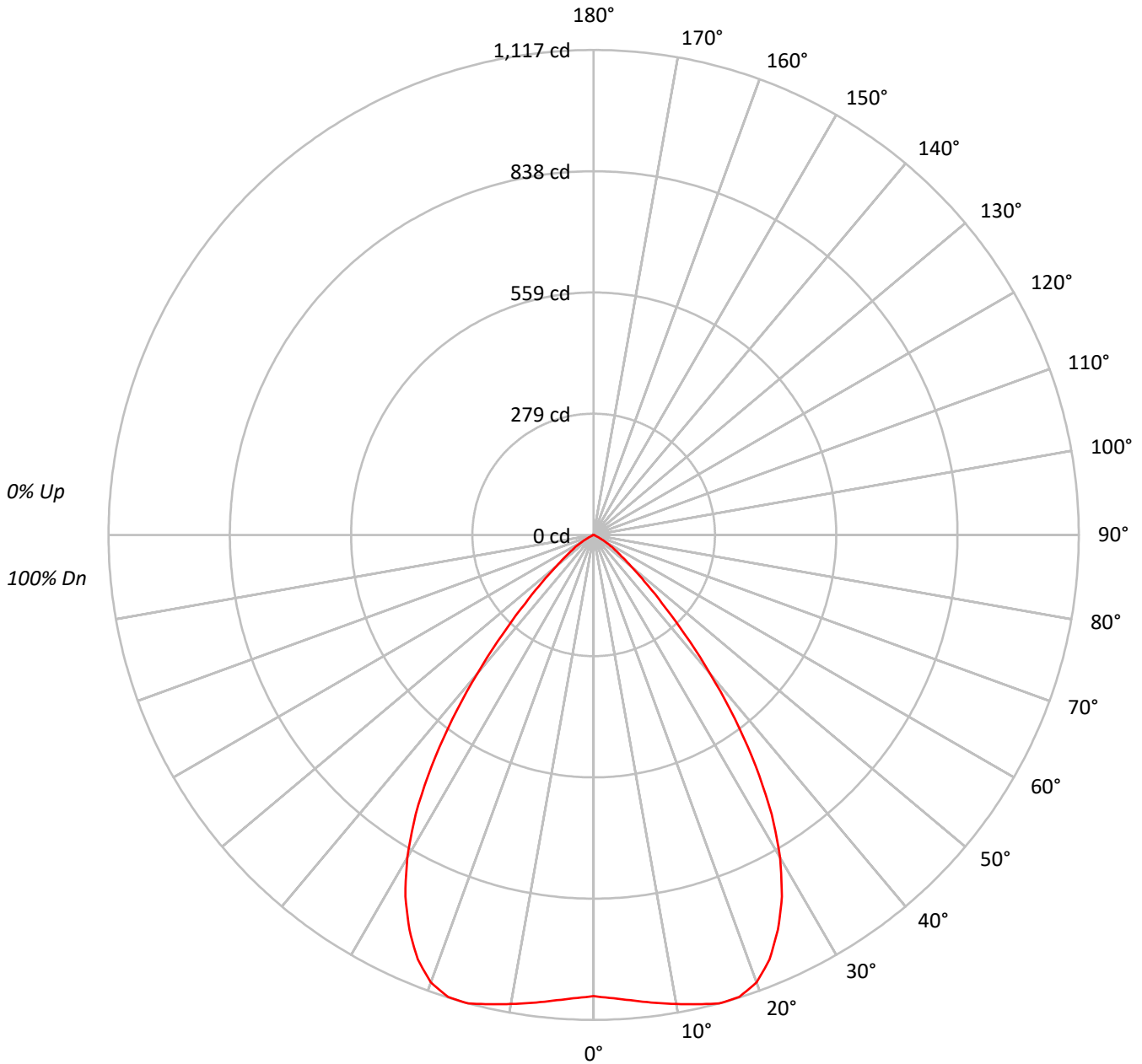
Lumens per Lamp: N/A
Luminaire Lumens: 1521.8 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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Luminous Intensity Polar Plot





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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	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92																
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84																
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77			77																
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70			70																
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65			65																
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59																
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55			55																
8	74	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50			50																
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47			47																
10	67	56	49	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43			43																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58246
5°	59261
10°	61065
15°	63406
20°	63997
25°	60699
30°	54312
35°	43547
40°	29777
45°	17296
50°	9578
55°	5782
60°	3004
65°	752
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17296 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	6.8
10°-20°	314.5	20.7
20°-30°	457.1	30.0
30°-40°	400.5	26.3
40°-50°	181.7	11.9
50°-60°	56.3	3.7
60°-70°	8.2	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°	875.0	57.5
0°-40°	1275.5	83.8
0°-60°	1513.5	99.5
0°-90°	1521.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1521.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1062	
5°	1077	103
15°	1117	315
25°	1004	457
35°	651	400
45°	223	182
55°	60	56
65°	6	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1062.5
2.5°	1068.2
5°	1076.9
7.5°	1087.0
10°	1097.0
12.5°	1107.1
15°	1117.2
17.5°	1115.7
20°	1097.0
22.5°	1058.2
25°	1003.5
27.5°	938.7
30°	858.0
32.5°	763.0
35°	650.7
37.5°	534.1
40°	416.1
42.5°	309.5
45°	223.1
47.5°	158.4
50°	112.3
52.5°	80.6
55°	60.5
57.5°	43.2
60°	27.4
62.5°	13.0
65°	5.8
67.5°	1.4
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

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— 0°-180°

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(END OF REPORT)