

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: P643290

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

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-87)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 693BB - 1200LM - 5000K
Description: ML56 RR, 75D TIR OPTIC, 6" BLACK BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

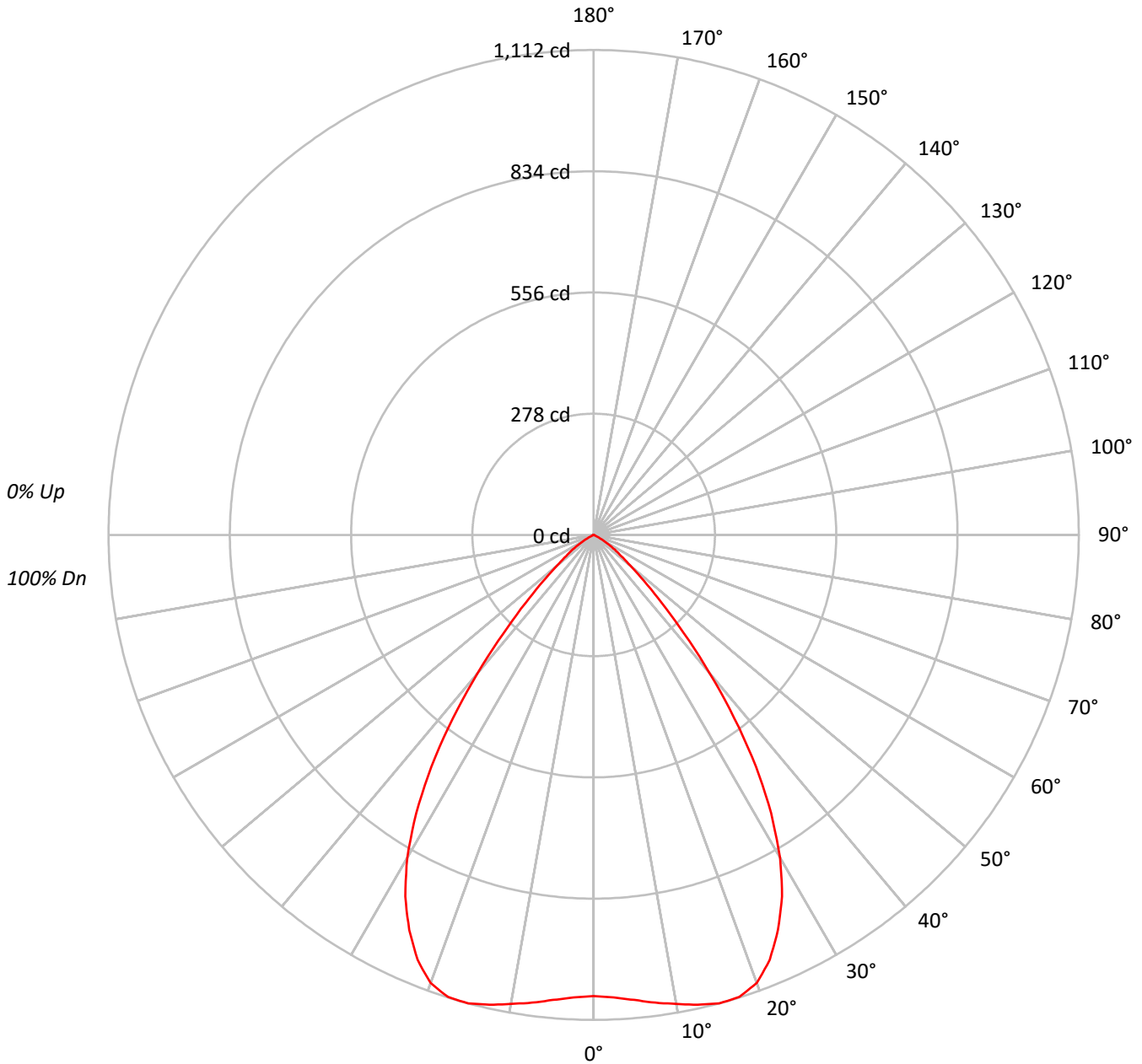
Lumens per Lamp: N/A
Luminaire Lumens: 1511.7 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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	98	97	97	95	94	92	92	92	92	84																
	1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92	92	92	92	92	92	92	92	92																
	2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	81	79	77	77	77	77	77	77	77	77																
	3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77	77	77	77	77	77	77	77	77	77	77	77																
	4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71	71	71	71	71	71	71	71	71	71	71	71																
	5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65	65	65	65	65	65	65	65	65	65	65	65																
	6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59	59	59	59	59	59	59	59	59	59	59	59																
	7	79	69	62	57	78	68	62	57	67	61	57	65	60	56	64	60	56	55	55	55	55	55	55	55	55	55	55	55	55																
	8	75	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50	50	50	50	50	50	50	50	50	50	50	50																
	9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47	47	47	47	47	47	47	47	47	47	47	47																
	10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43	43	43	43	43	43	43	43	43	43	43	43																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57967
5°	58898
10°	60782
15°	63116
20°	63787
25°	60475
30°	54091
35°	43420
40°	29548
45°	17064
50°	9322
55°	5639
60°	2840
65°	752
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17064 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	6.8
10°-20°	313.2	20.7
20°-30°	455.4	30.1
30°-40°	397.9	26.3
40°-50°	179.4	11.9
50°-60°	54.8	3.6
60°-70°	8.0	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°	871.5	57.7
0°-40°	1269.4	84.0
0°-60°	1503.6	99.5
0°-90°	1511.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1057	
5°	1070	103
15°	1112	313
25°	1000	455
35°	649	398
45°	220	179
55°	59	55
65°	6	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1057.4
2.5°	1061.7
5°	1070.3
7.5°	1081.8
10°	1091.9
12.5°	1103.4
15°	1112.1
17.5°	1110.6
20°	1093.4
22.5°	1054.5
25°	999.8
27.5°	935.1
30°	854.5
32.5°	756.7
35°	648.8
37.5°	529.4
40°	412.9
42.5°	306.4
45°	220.1
47.5°	155.4
50°	109.3
52.5°	79.1
55°	59.0
57.5°	41.7
60°	25.9
62.5°	12.9
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)