

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: P643291

Luminaire Tested: ML5615LSVWFL759FS1E - 693BB - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643291
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 - 1500LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 6" BLACK BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1634.2 lumens
Efficiency: N/A
Efficacy: 95.6 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

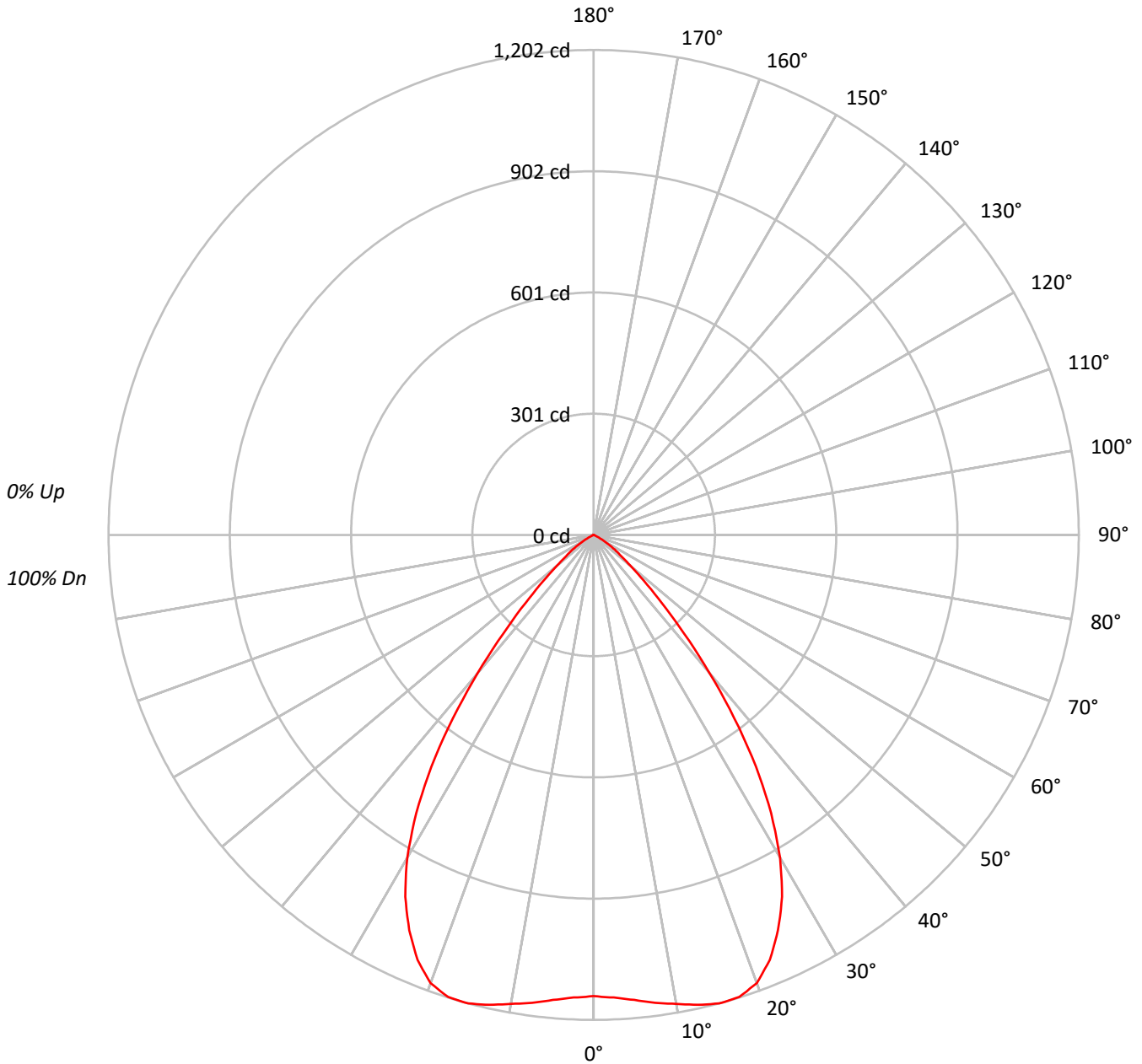
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62665
5°	63675
10°	65708
15°	68230
20°	68956
25°	65381
30°	58477
35°	46940
40°	31938
45°	18444
50°	10081
55°	6098
60°	3070
65°	804
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18444 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	6.8
10°-20°	338.6	20.7
20°-30°	492.3	30.1
30°-40°	430.2	26.3
40°-50°	193.9	11.9
50°-60°	59.3	3.6
60°-70°	8.7	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°	942.2	57.7
0°-40°	1372.3	84.0
0°-60°	1625.5	99.5
0°-90°	1634.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1634.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1143	
5°	1157	111
15°	1202	339
25°	1081	492
35°	701	430
45°	238	194
55°	64	59
65°	6	9
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1143.1
2.5°	1147.7
5°	1157.1
7.5°	1169.5
10°	1180.4
12.5°	1192.9
15°	1202.2
17.5°	1200.6
20°	1182.0
22.5°	1140.0
25°	1080.9
27.5°	1010.9
30°	923.8
32.5°	818.0
35°	701.4
37.5°	572.3
40°	446.3
42.5°	331.3
45°	237.9
47.5°	168.0
50°	118.2
52.5°	85.5
55°	63.8
57.5°	45.1
60°	28.0
62.5°	14.0
65°	6.2
67.5°	1.6
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)