

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: P643308

Luminaire Tested: ML5615LSVWFL759FS1E - 693SNB - 1500LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643308
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 - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

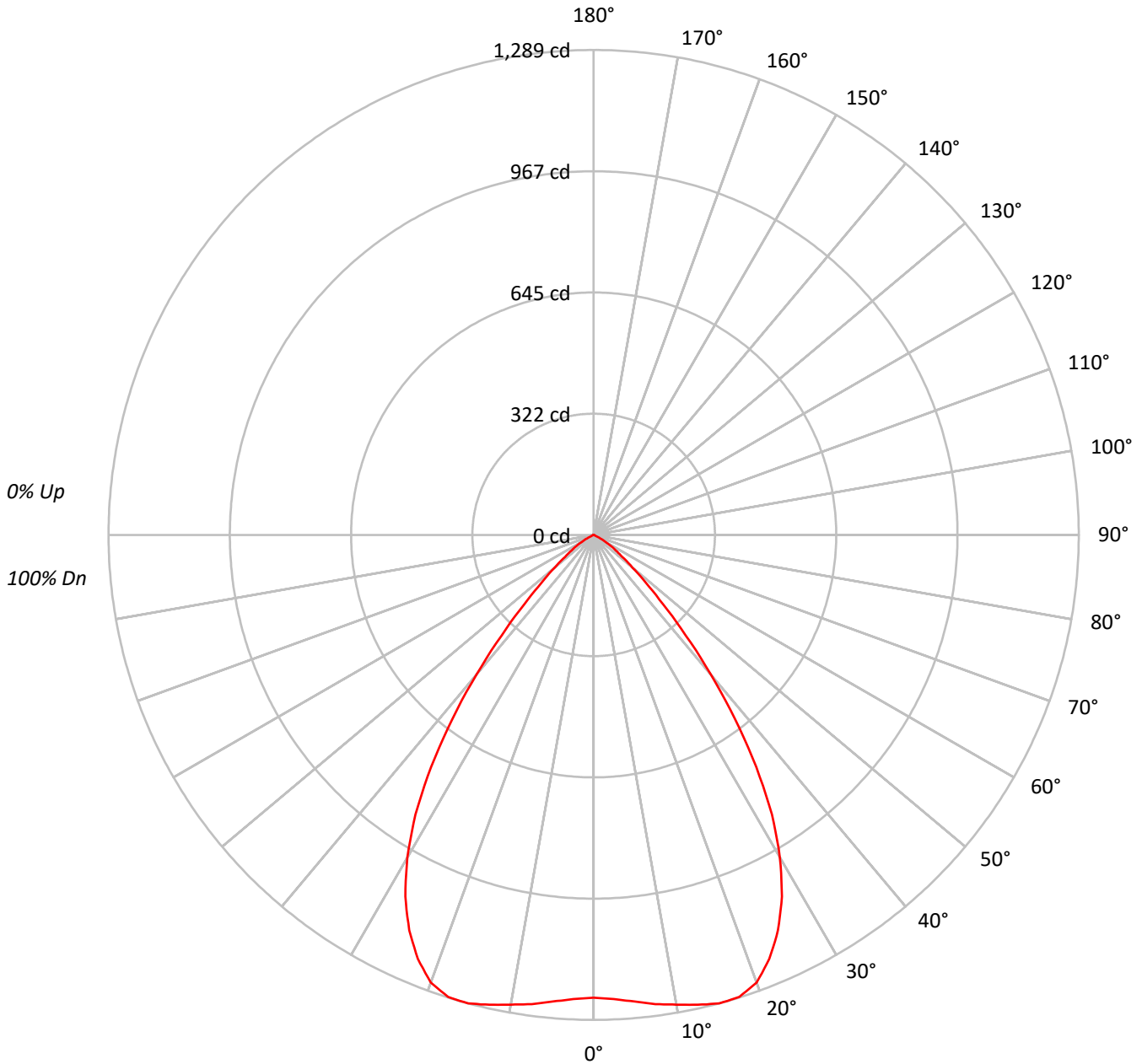
Lumens per Lamp: N/A
Luminaire Lumens: 1764.4 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	96	95	94	92	92	92	92	84																								
	1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	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	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	77																							
	4	94	86	80	75	92	85	79	75	83	78	74	81	76	73	79	75	72	70	70	70	70	70	70	70	70	70	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	64	64	64	64	64	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	59	59	59	59	59	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	54	54	54	54	54	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	50	50	50	50	50	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	46	46	46	46	46	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	43	43	43	43	43	43	43	43	43																							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67423
5°	68490
10°	70568
15°	73156
20°	73856
25°	70117
30°	62655
35°	50393
40°	34593
45°	20142
50°	11496
55°	6910
60°	3783
65°	1064
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.6	6.8
10°-20°	363.1	20.6
20°-30°	527.5	29.9
30°-40°	462.9	26.2
40°-50°	212.8	12.1
50°-60°	67.6	3.8
60°-70°	10.8	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°	1010.2	57.3
0°-40°	1473.1	83.5
0°-60°	1753.4	99.4
0°-90°	1764.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1764.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1230	
5°	1245	120
15°	1289	363
25°	1159	527
35°	753	463
45°	260	213
55°	72	68
65°	8	11
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1229.9
2.5°	1234.8
5°	1244.6
7.5°	1257.8
10°	1267.7
12.5°	1279.2
15°	1289.0
17.5°	1287.4
20°	1266.0
22.5°	1220.0
25°	1159.2
27.5°	1083.5
30°	989.8
32.5°	881.3
35°	753.0
37.5°	616.6
40°	483.4
42.5°	361.7
45°	259.8
47.5°	187.4
50°	134.8
52.5°	95.4
55°	72.3
57.5°	52.6
60°	34.5
62.5°	16.4
65°	8.2
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

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— 0°-180°

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(END OF REPORT)