

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: P643383

Luminaire Tested: ML5615LSVWFL759FS1E - 696WB - 1500LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-92)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 696WB - 1500LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1802.2 lumens
Efficiency: N/A
Efficacy: 105.4 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

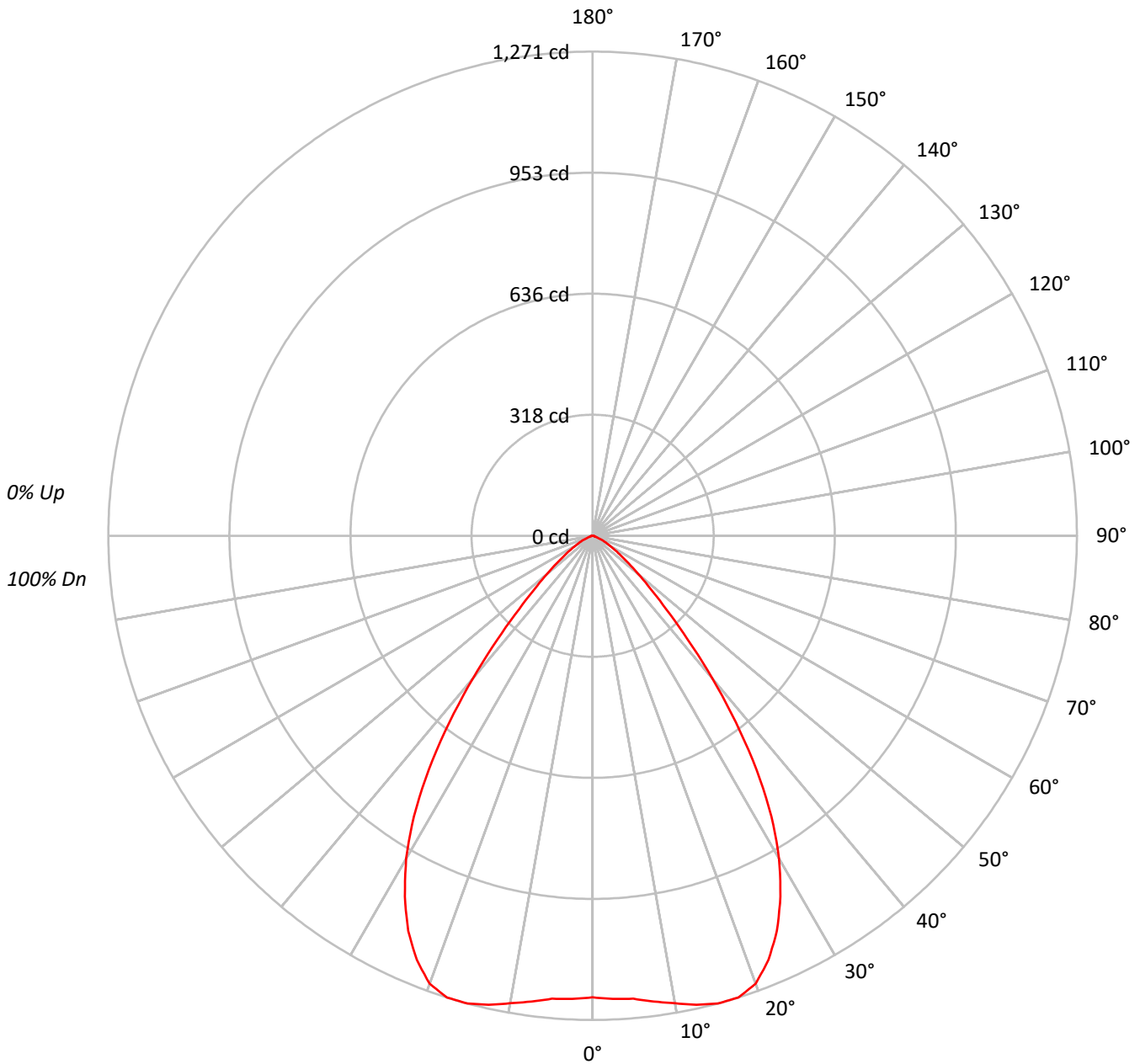
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	104	110	107	105	103	103	101	99	99	98	96	96	95	94	92																											
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83																											
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76																											
4	94	85	79	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69																											
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63																											
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58																											
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53																											
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49																											
9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45																											
10	66	55	48	44	64	54	48	44	53	48	44	52	47	43	52	47	43	42																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66431
5°	67136
10°	69376
15°	72129
20°	72993
25°	69228
30°	61946
35°	50219
40°	34901
45°	21134
50°	13441
55°	8631
60°	5756
65°	3840
70°	1843
75°	1038
80°	1042
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21134 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	6.5
10°-20°	358.2	19.9
20°-30°	520.7	28.9
30°-40°	461.0	25.6
40°-50°	222.7	12.4
50°-60°	84.9	4.7
60°-70°	29.3	1.6
70°-80°	5.8	0.3
80°-90°	2.2	0.1
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°	996.3	55.3
0°-40°	1457.3	80.9
0°-60°	1764.9	97.9
0°-90°	1802.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1802.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1212	
5°	1220	117
15°	1271	358
25°	1144	521
35°	750	461
45°	273	223
55°	90	85
65°	30	29
75°	5	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1211.8
2.5°	1216.7
5°	1220.0
7.5°	1233.1
10°	1246.3
12.5°	1261.1
15°	1270.9
17.5°	1270.9
20°	1251.2
22.5°	1205.2
25°	1144.5
27.5°	1067.3
30°	978.6
32.5°	873.5
35°	750.4
37.5°	617.4
40°	487.7
42.5°	369.4
45°	272.6
47.5°	203.6
50°	157.6
52.5°	119.9
55°	90.3
57.5°	67.3
60°	52.5
62.5°	39.4
65°	29.6
67.5°	18.1
70°	11.5
72.5°	6.6
75°	4.9
77.5°	3.3
80°	3.3
82.5°	3.3
85°	1.6
87.5°	1.6
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)