

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: P643203

Luminaire Tested: ML5615LSVWFL759FS1E - 594WB - 1500LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-78)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 594WB - 1500LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 5" WHITE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1807.1 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.09
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

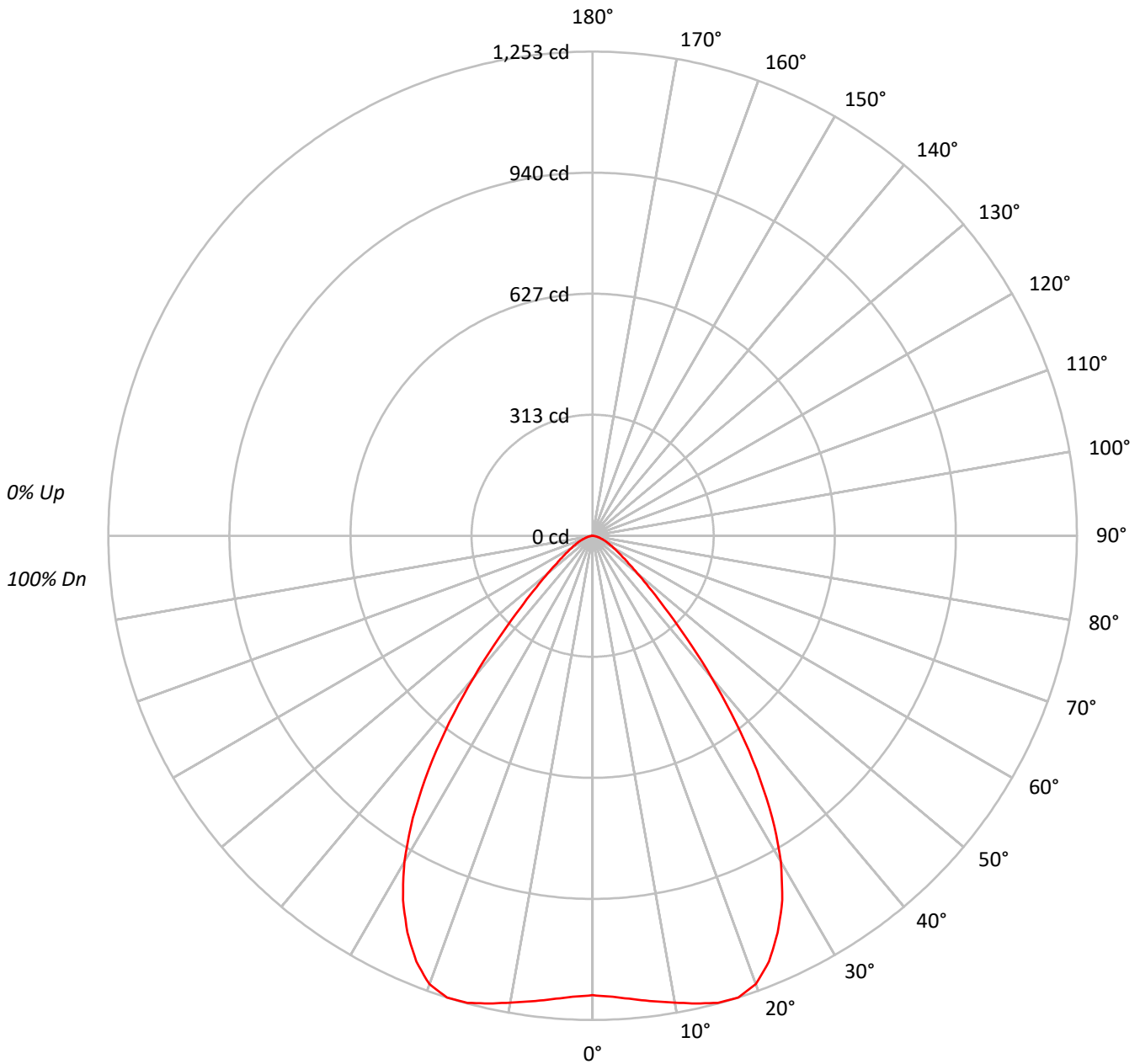
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									20
RC	80									50									30									10									0									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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91																												
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83																												
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75																												
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68																												
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62																												
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57																												
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52																												
8	73	62	55	50	72	61	55	50	60	54	50	59	54	50	58	53	50	48																												
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	50	46	44																												
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93853
5°	95384
10°	98331
15°	102263
20°	103740
25°	98695
30°	88765
35°	71371
40°	49248
45°	29328
50°	18557
55°	12882
60°	9852
65°	7976
70°	6440
75°	5002
80°	3000
85°	1449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	6.4
10°-20°	352.8	19.5
20°-30°	516.3	28.6
30°-40°	455.7	25.2
40°-50°	216.1	12.0
50°-60°	87.3	4.8
60°-70°	43.6	2.4
70°-80°	17.5	1.0
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°	984.7	54.5
0°-40°	1440.4	79.7
0°-60°	1743.8	96.5
0°-90°	1807.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1807.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1189	
5°	1204	116
15°	1251	353
25°	1133	516
35°	741	456
45°	263	216
55°	94	87
65°	43	44
75°	16	17
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1188.9
2.5°	1193.9
5°	1203.7
7.5°	1215.2
10°	1226.7
12.5°	1239.8
15°	1251.3
17.5°	1253.0
20°	1234.9
22.5°	1192.2
25°	1133.1
27.5°	1062.5
30°	973.8
32.5°	865.4
35°	740.6
37.5°	609.2
40°	477.9
42.5°	359.6
45°	262.7
47.5°	197.1
50°	151.1
52.5°	116.6
55°	93.6
57.5°	75.5
60°	62.4
62.5°	52.5
65°	42.7
67.5°	36.1
70°	27.9
72.5°	21.3
75°	16.4
77.5°	11.5
80°	6.6
82.5°	3.3
85°	1.6
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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