

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: P643277

Luminaire Tested: ML5615LSVWFL759FS1E - 692W - 1500LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-85)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 692W - 1500LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 6" WHITE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1749.7 lumens
Efficiency: N/A
Efficacy: 102.3 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

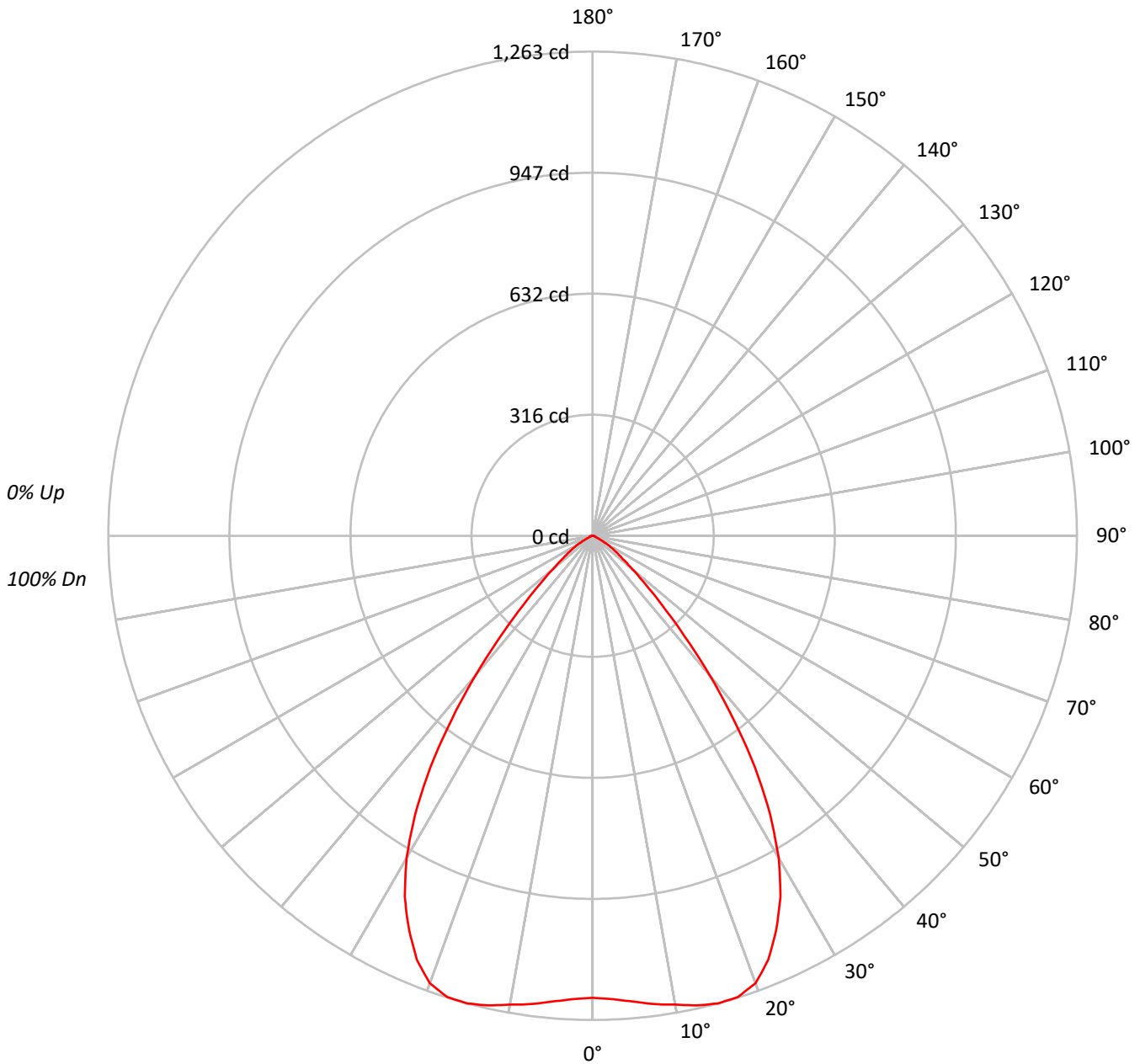
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92			92																
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84			84																
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76			76																
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70																
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64			64																
6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	58			58																
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54			54																
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50			50																
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46			46																
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43			43																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66064
5°	67109
10°	69137
15°	71669
20°	72456
25°	68538
30°	61396
35°	49376
40°	33899
45°	19855
50°	11462
55°	7340
60°	4386
65°	2075
70°	1282
75°	1356
80°	1010
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19855 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	6.7
10°-20°	355.9	20.3
20°-30°	516.7	29.5
30°-40°	453.0	25.9
40°-50°	209.3	12.0
50°-60°	71.2	4.1
60°-70°	18.1	1.0
70°-80°	6.5	0.4
80°-90°	1.7	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°	989.8	56.6
0°-40°	1442.8	82.5
0°-60°	1723.3	98.5
0°-90°	1749.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1749.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1205	
5°	1220	117
15°	1263	356
25°	1133	517
35°	738	453
45°	256	209
55°	77	71
65°	16	18
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1205.1
2.5°	1209.9
5°	1219.5
7.5°	1232.3
10°	1242.0
12.5°	1254.8
15°	1262.8
17.5°	1261.2
20°	1242.0
22.5°	1197.1
25°	1133.1
27.5°	1061.1
30°	969.9
32.5°	861.0
35°	737.8
37.5°	603.4
40°	473.7
42.5°	353.7
45°	256.1
47.5°	185.7
50°	134.4
52.5°	99.2
55°	76.8
57.5°	57.6
60°	40.0
62.5°	24.0
65°	16.0
67.5°	9.6
70°	8.0
72.5°	8.0
75°	6.4
77.5°	4.8
80°	3.2
82.5°	3.2
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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(END OF REPORT)