

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: P643095

Luminaire Tested: ML5615LSVWFL759FS1E - 592W - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 592W - 1200LM - 5000K
Description: ML56 RR, 75D TIR OPTIC, 5" WHITE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1550.5 lumens
Efficiency: N/A
Efficacy: 115.7 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

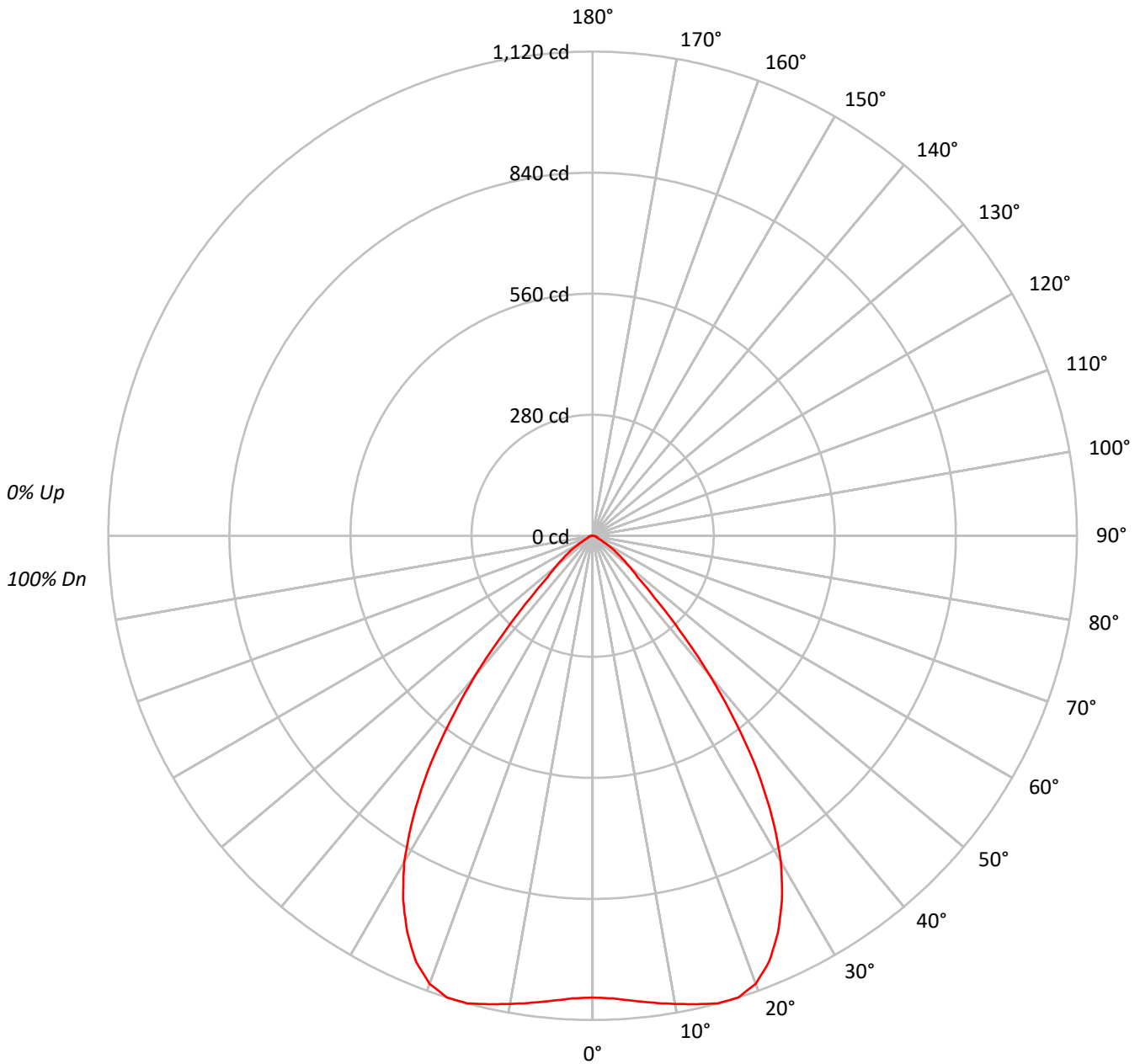
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84317
5°	85550
10°	88151
15°	91516
20°	92626
25°	88278
30°	79403
35°	64143
40°	43549
45°	22629
50°	13767
55°	9097
60°	4768
65°	2690
70°	2654
75°	2623
80°	2637
85°	2627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22629 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.7	6.7
10°-20°	315.5	20.4
20°-30°	461.5	29.8
30°-40°	407.1	26.3
40°-50°	173.1	11.2
50°-60°	60.1	3.9
60°-70°	17.2	1.1
70°-80°	9.1	0.6
80°-90°	3.1	0.2
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°	880.8	56.8
0°-40°	1287.9	83.1
0°-60°	1521.1	98.1
0°-90°	1550.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1550.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1068	
5°	1080	104
15°	1120	316
25°	1014	462
35°	666	407
45°	203	173
55°	66	60
65°	14	17
75°	9	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1068.1
2.5°	1071.0
5°	1079.6
7.5°	1089.6
10°	1099.7
12.5°	1109.8
15°	1119.8
17.5°	1119.8
20°	1102.6
22.5°	1066.6
25°	1013.5
27.5°	948.8
30°	871.1
32.5°	773.4
35°	665.6
37.5°	541.9
40°	422.6
42.5°	300.4
45°	202.7
47.5°	140.9
50°	112.1
52.5°	86.3
55°	66.1
57.5°	47.4
60°	30.2
62.5°	21.6
65°	14.4
67.5°	12.9
70°	11.5
72.5°	10.1
75°	8.6
77.5°	7.2
80°	5.8
82.5°	4.3
85°	2.9
87.5°	1.4
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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