

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: P643285

Luminaire Tested: ML5615LSVWFL759FS1E - 692W - 900LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643285
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 - 900LM - 5000K
Description: ML56 RR, 75D TIR OPTIC, 6" WHITE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

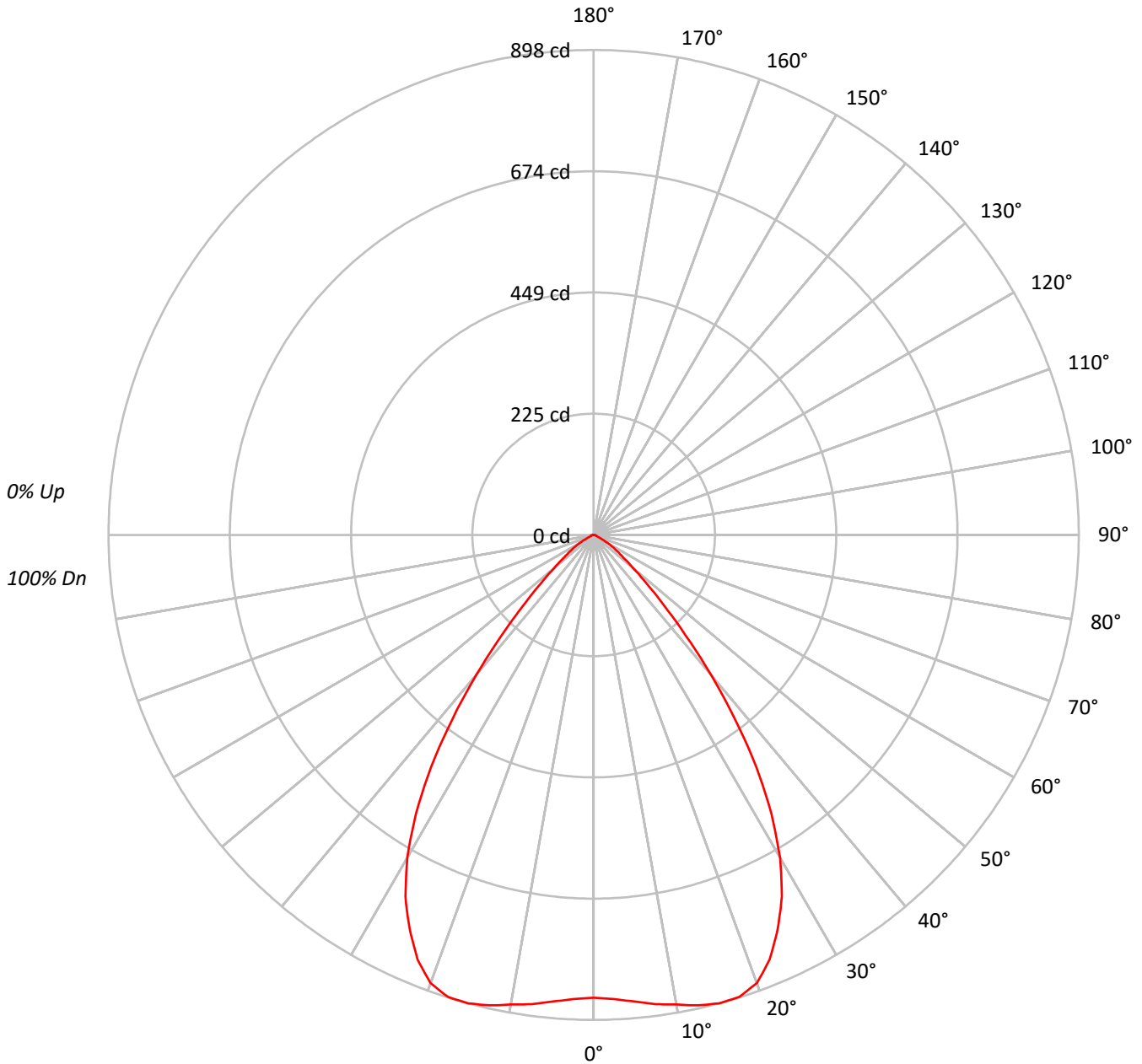
Lumens per Lamp: N/A
Luminaire Lumens: 1244.2 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10.5
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	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	100	100	98	97	96	95	94	92				
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	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	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54				
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50				
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	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°	46975
5°	47722
10°	49159
15°	50959
20°	51519
25°	48735
30°	43659
35°	35108
40°	24109
45°	14118
50°	8153
55°	5218
60°	3125
65°	1479
70°	914
75°	974
80°	726
85°	692

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14118 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	6.7
10°-20°	253.0	20.3
20°-30°	367.4	29.5
30°-40°	322.2	25.9
40°-50°	148.8	12.0
50°-60°	50.6	4.1
60°-70°	12.9	1.0
70°-80°	4.7	0.4
80°-90°	1.2	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°	703.8	56.6
0°-40°	1026.0	82.5
0°-60°	1225.4	98.5
0°-90°	1244.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	857	
5°	867	83
15°	898	253
25°	806	367
35°	525	322
45°	182	149
55°	55	51
65°	11	13
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	856.9
2.5°	860.4
5°	867.2
7.5°	876.3
10°	883.1
12.5°	892.2
15°	897.9
17.5°	896.8
20°	883.1
22.5°	851.3
25°	805.7
27.5°	754.5
30°	689.7
32.5°	612.3
35°	524.6
37.5°	429.0
40°	336.9
42.5°	251.5
45°	182.1
47.5°	132.0
50°	95.6
52.5°	70.6
55°	54.6
57.5°	41.0
60°	28.5
62.5°	17.1
65°	11.4
67.5°	6.8
70°	5.7
72.5°	5.7
75°	4.6
77.5°	3.4
80°	2.3
82.5°	2.3
85°	1.1
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)