

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: P643626

Luminaire Tested: ML5615LSVWFL9FS1E - 692W - 900LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-108)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 692W - 900LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" WHITE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

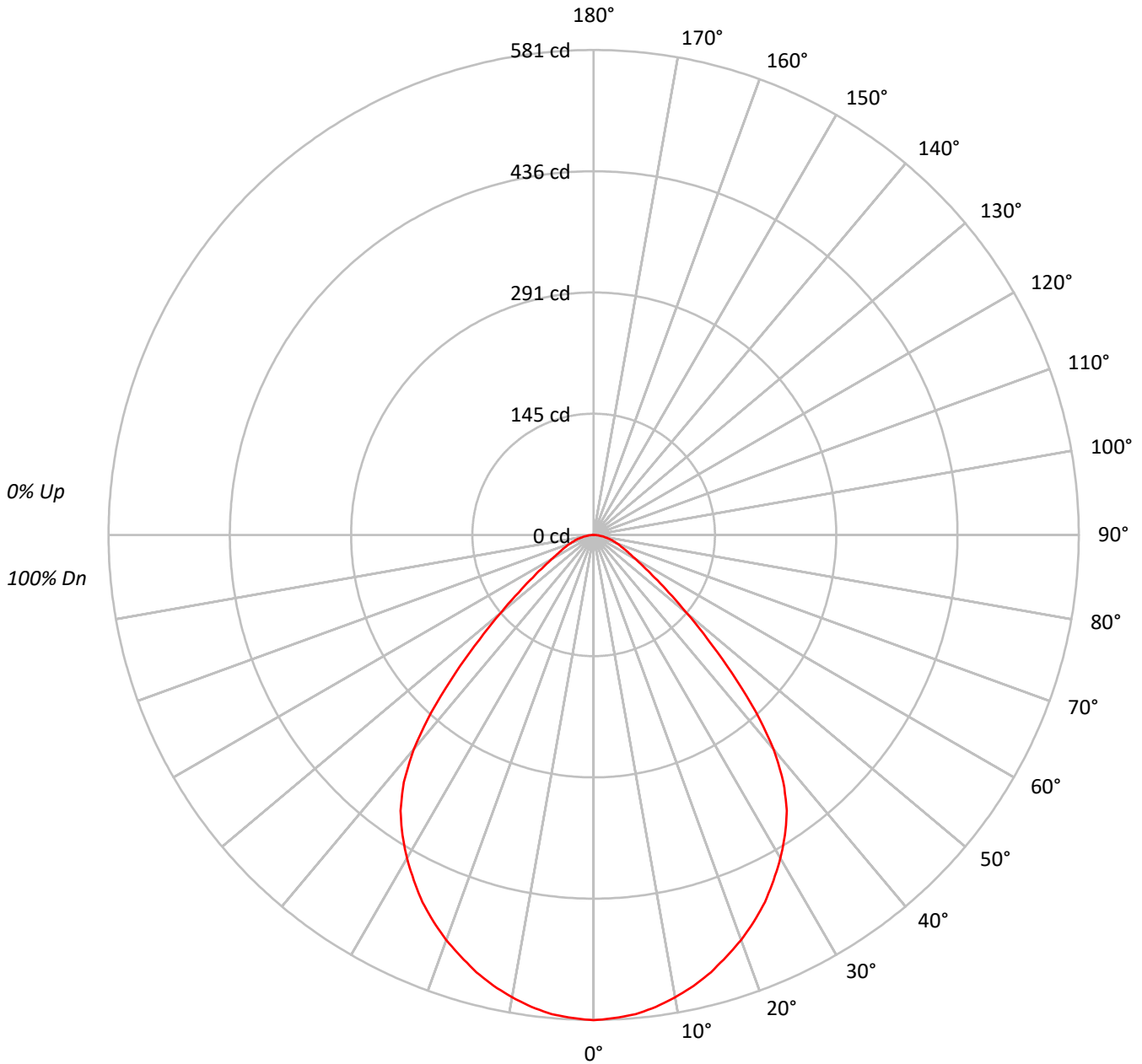
Lumens per Lamp: N/A
Luminaire Lumens: 1013.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89																			
2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79																			
3	96	88	81	76	94	87	80	76	84	79	74	81	77	73	79	75	72	70																			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63																			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56																			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	50																			
7	73	61	54	49	72	61	53	48	59	53	48	58	52	48	57	51	47	46																			
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42																			
9	64	52	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38																			
10	61	49	42	37	59	48	42	37	47	41	37	47	41	37	46	40	37	35																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31872
5°	31719
10°	31306
15°	30783
20°	30126
25°	29361
30°	28314
35°	26990
40°	23995
45°	18157
50°	12375
55°	8516
60°	6359
65°	5318
70°	4809
75°	4448
80°	3788
85°	3145

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18157 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	5.4
10°-20°	152.7	15.1
20°-30°	223.0	22.0
30°-40°	249.0	24.6
40°-50°	181.2	17.9
50°-60°	83.3	8.2
60°-70°	41.5	4.1
70°-80°	21.9	2.2
80°-90°	5.7	0.6
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°	430.3	42.5
0°-40°	679.3	67.1
0°-60°	943.9	93.2
0°-90°	1013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1013.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	581	
5°	576	55
15°	542	153
25°	485	223
35°	403	249
45°	234	181
55°	89	83
65°	41	42
75°	21	22
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	581.4
2.5°	579.4
5°	576.4
7.5°	570.4
10°	562.4
12.5°	553.4
15°	542.4
17.5°	529.4
20°	516.4
22.5°	501.4
25°	485.4
27.5°	466.4
30°	447.3
32.5°	426.3
35°	403.3
37.5°	373.3
40°	335.3
42.5°	287.2
45°	234.2
47.5°	185.1
50°	145.1
52.5°	113.1
55°	89.1
57.5°	71.1
60°	58.0
62.5°	48.0
65°	41.0
67.5°	35.0
70°	30.0
72.5°	25.0
75°	21.0
77.5°	16.0
80°	12.0
82.5°	8.0
85°	5.0
87.5°	2.0
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)