

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: P643591

Luminaire Tested: ML5615LSVWFL9FS1E - 692H - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-107)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 692H - 1500LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

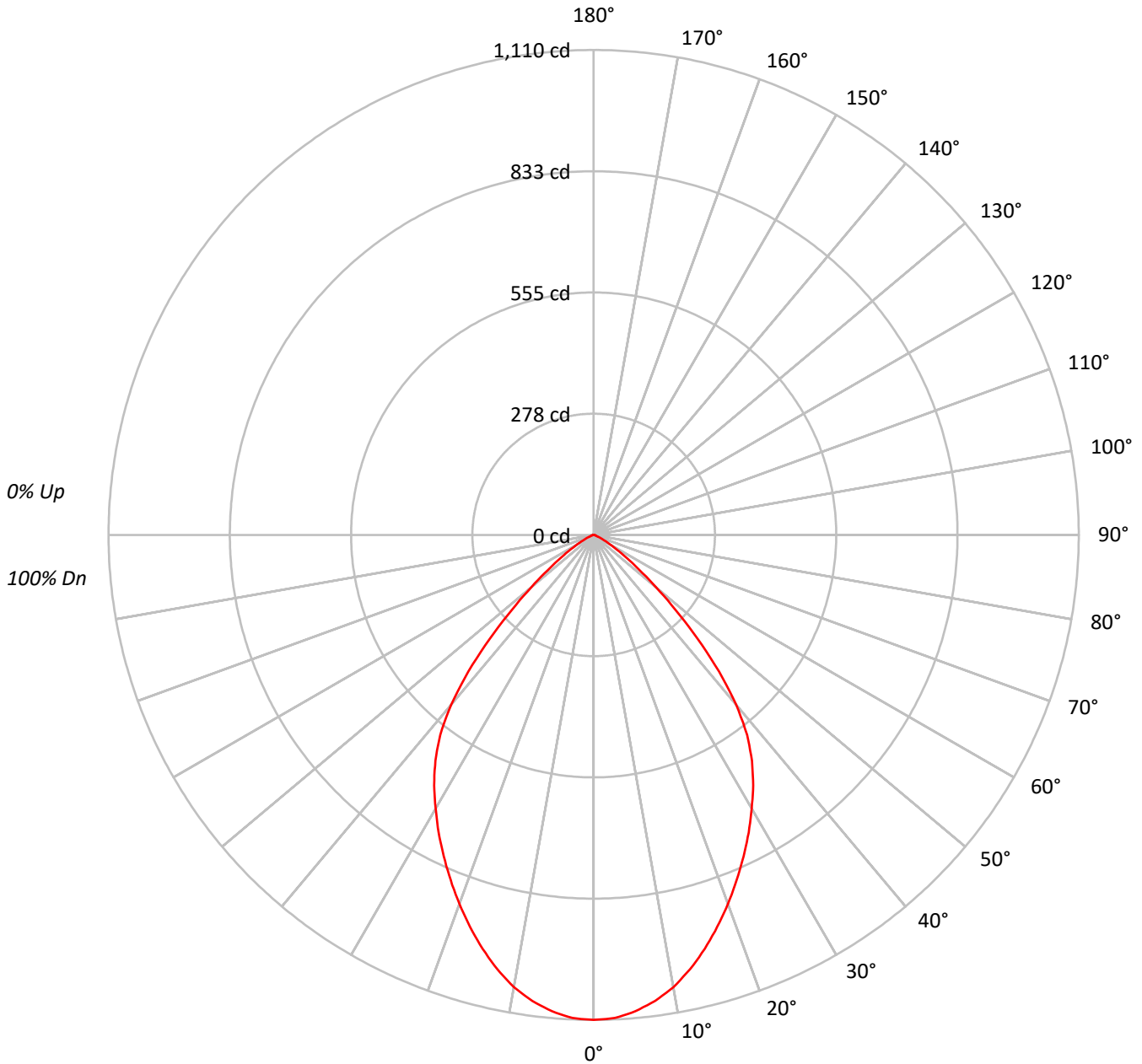
Lumens per Lamp: N/A
Luminaire Lumens: 1516.1 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.1
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	112	109	106	104	110	107	105	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	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	67			
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61			
6	81	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51			
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43			
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60850
5°	60230
10°	58505
15°	55676
20°	52423
25°	49085
30°	45760
35°	42242
40°	36268
45°	26034
50°	15778
55°	8917
60°	4769
65°	2218
70°	1250
75°	996
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26034 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	6.8
10°-20°	275.2	18.2
20°-30°	373.2	24.6
30°-40°	390.4	25.8
40°-50°	259.7	17.1
50°-60°	89.3	5.9
60°-70°	20.0	1.3
70°-80°	4.5	0.3
80°-90°	0.7	0.0
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°	751.5	49.6
0°-40°	1141.9	75.3
0°-60°	1490.9	98.3
0°-90°	1516.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1516.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1110	
5°	1094	103
15°	981	275
25°	812	373
35°	631	390
45°	336	260
55°	93	89
65°	17	20
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1110.0
2.5°	1106.9
5°	1094.5
7.5°	1075.8
10°	1051.0
12.5°	1018.3
15°	981.0
17.5°	940.6
20°	898.6
22.5°	855.1
25°	811.5
27.5°	768.0
30°	722.9
32.5°	679.4
35°	631.2
37.5°	576.8
40°	506.8
42.5°	424.4
45°	335.8
47.5°	253.4
50°	185.0
52.5°	132.1
55°	93.3
57.5°	63.7
60°	43.5
62.5°	28.0
65°	17.1
67.5°	10.9
70°	7.8
72.5°	4.7
75°	4.7
77.5°	3.1
80°	1.6
82.5°	1.6
85°	0.0
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)