

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P643593

Luminaire Tested: ML5615LSVWFL9FS1E - 692H - 1500LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643593
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 - 3500K
Description: ML56 RR, MILKY OPTIC, 6" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

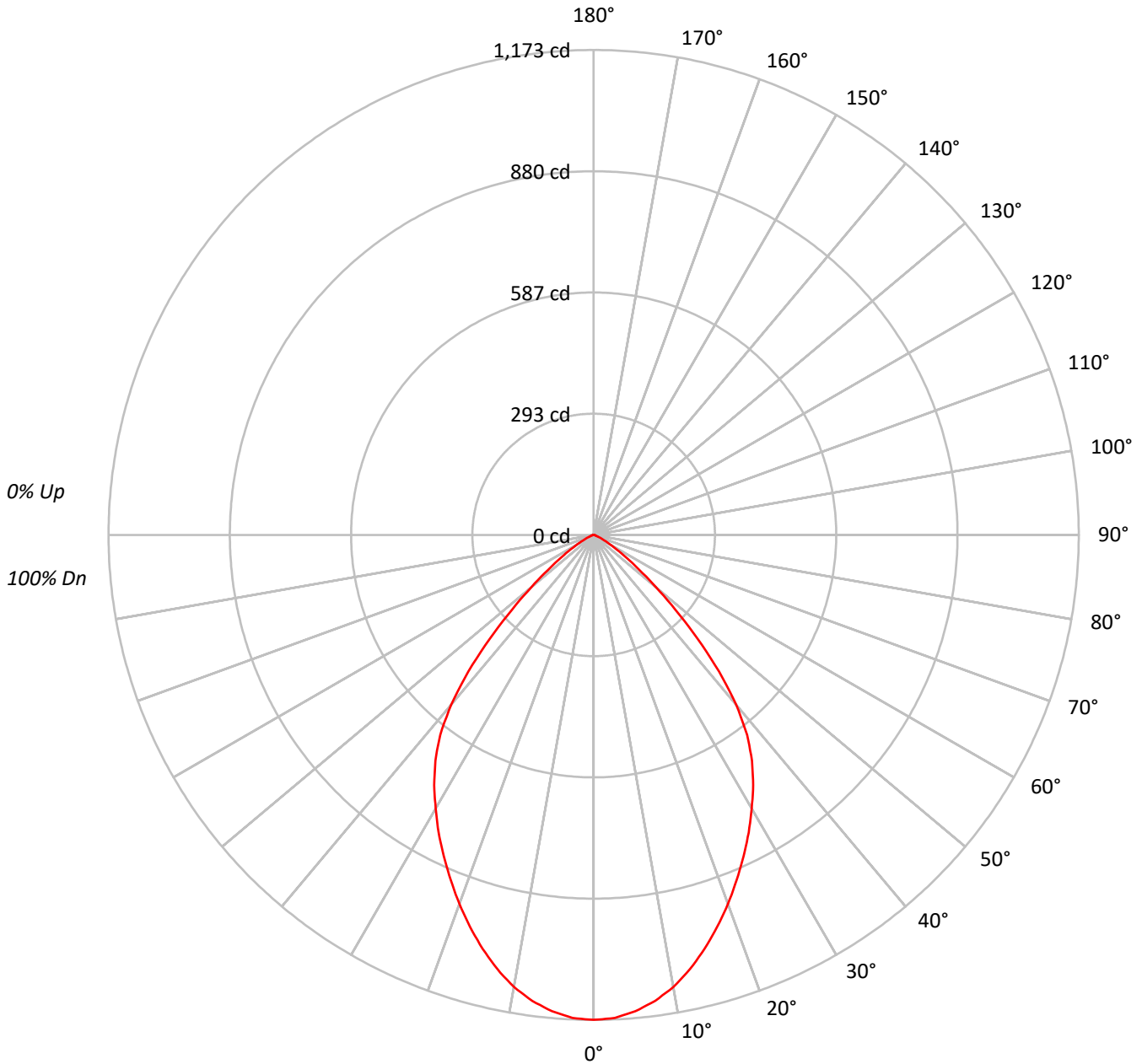
Lumens per Lamp: N/A
Luminaire Lumens: 1601.8 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.1
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	64293
5°	63636
10°	61811
15°	58826
20°	55386
25°	51862
30°	48349
35°	44631
40°	38322
45°	27507
50°	16673
55°	9424
60°	5043
65°	2348
70°	1314
75°	1038
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27507 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	6.8
10°-20°	290.8	18.2
20°-30°	394.3	24.6
30°-40°	412.5	25.8
40°-50°	274.4	17.1
50°-60°	94.3	5.9
60°-70°	21.2	1.3
70°-80°	4.7	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°	794.0	49.6
0°-40°	1206.4	75.3
0°-60°	1575.2	98.3
0°-90°	1601.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1601.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1173	
5°	1156	109
15°	1036	291
25°	857	394
35°	667	412
45°	355	274
55°	99	94
65°	18	21
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1172.8
2.5°	1169.5
5°	1156.4
7.5°	1136.7
10°	1110.4
12.5°	1075.9
15°	1036.5
17.5°	993.8
20°	949.4
22.5°	903.4
25°	857.4
27.5°	811.5
30°	763.8
32.5°	717.8
35°	666.9
37.5°	609.4
40°	535.5
42.5°	448.4
45°	354.8
47.5°	267.7
50°	195.5
52.5°	139.6
55°	98.6
57.5°	67.3
60°	46.0
62.5°	29.6
65°	18.1
67.5°	11.5
70°	8.2
72.5°	4.9
75°	4.9
77.5°	3.3
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)