

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: P643419

Luminaire Tested: ML5615LSVWFL9FS1E - 592H - 900LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-95)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 592H - 900LM - 4000K
Description: ML56 RR, MILKY OPTIC, 5" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

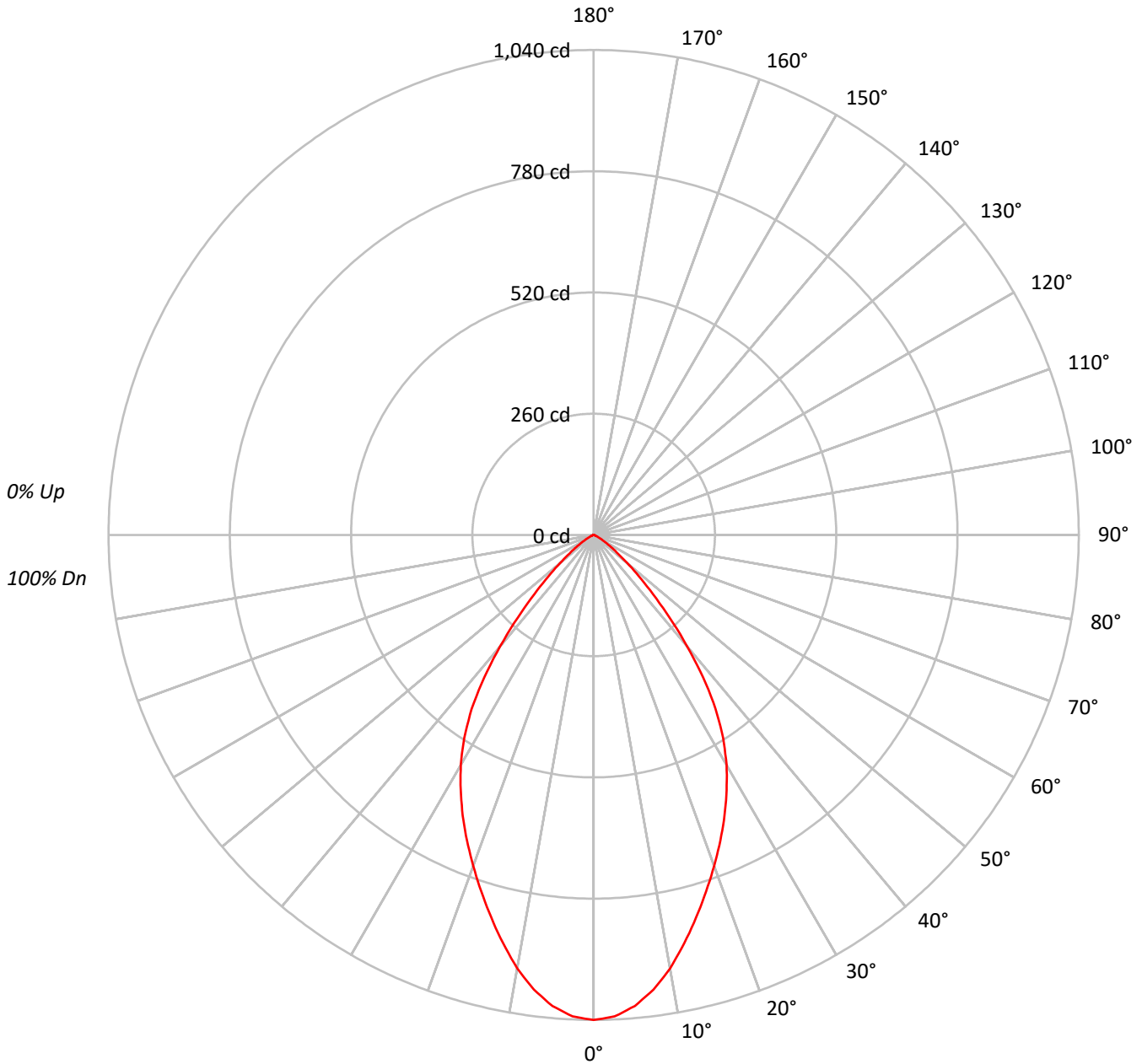
Lumens per Lamp: N/A
Luminaire Lumens: 1114.5 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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			100																
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92																
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84																
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77			77																
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71			71																
5	89	80	73	68	87	79	73	68	77	72	68	75	71	67	74	70	66	65			65																
6	84	74	67	63	82	73	67	62	72	66	62	70	65	62	69	64	61	60			60																
7	79	69	62	58	78	68	62	57	67	61	57	66	61	57	64	60	56	55			55																
8	75	64	58	53	73	64	57	53	63	57	53	61	56	53	60	56	52	51			51																
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47			47																
10	67	56	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44			44																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82114
5°	80352
10°	75638
15°	69401
20°	63409
25°	57827
30°	51912
35°	43935
40°	32100
45°	20050
50°	11446
55°	6262
60°	3237
65°	1494
70°	785
75°	336
80°	500
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20050 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	8.5
10°-20°	238.0	21.4
20°-30°	304.5	27.3
30°-40°	279.2	25.0
40°-50°	143.6	12.9
50°-60°	43.8	3.9
60°-70°	9.1	0.8
70°-80°	1.8	0.2
80°-90°	0.1	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°	637.0	57.2
0°-40°	916.2	82.2
0°-60°	1103.5	99.0
0°-90°	1114.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1040	
5°	1014	95
15°	849	238
25°	664	304
35°	456	279
45°	180	144
55°	46	44
65°	8	9
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1040.2
2.5°	1033.4
5°	1014.0
7.5°	983.3
10°	943.6
12.5°	897.0
15°	849.2
17.5°	801.5
20°	754.8
22.5°	709.4
25°	663.9
27.5°	617.3
30°	569.5
32.5°	516.1
35°	455.9
37.5°	385.4
40°	311.5
42.5°	241.0
45°	179.6
47.5°	130.7
50°	93.2
52.5°	64.8
55°	45.5
57.5°	30.7
60°	20.5
62.5°	12.5
65°	8.0
67.5°	4.5
70°	3.4
72.5°	2.3
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
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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