

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: P643615

Luminaire Tested: ML5615LSVWFL9FS1E - 692SC - 900LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-106)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 692SC - 900LM - 5000K
Description: ML56 RR, MILKY OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

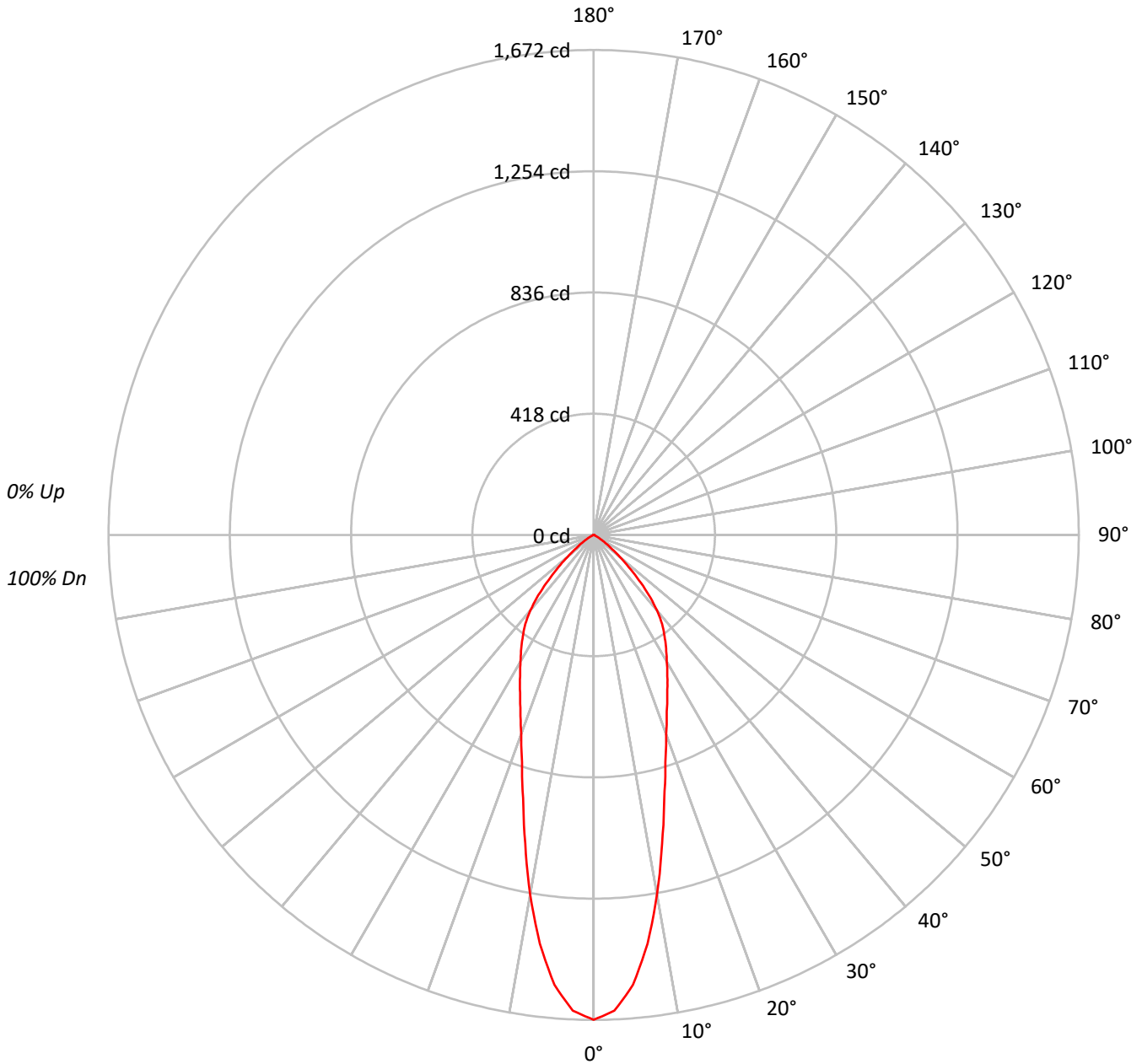
Lumens per Lamp: N/A
Luminaire Lumens: 1178.2 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.69
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			100	
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93	
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85	
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			78	
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71			71	
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66			66	
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61	
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56	
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52	
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49			49	
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46			46	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91648
5°	85676
10°	70067
15°	53286
20°	42558
25°	36280
30°	31916
35°	28482
40°	24267
45°	17118
50°	9995
55°	5218
60°	2368
65°	739
70°	176
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17118 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	11.8
10°-20°	264.7	22.5
20°-30°	277.6	23.6
30°-40°	264.8	22.5
40°-50°	170.9	14.5
50°-60°	53.0	4.5
60°-70°	7.8	0.7
70°-80°	0.4	0.0
80°-90°	0.0	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°	681.3	57.8
0°-40°	946.0	80.3
0°-60°	1170.0	99.3
0°-90°	1178.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1178.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1672	
5°	1557	139
15°	939	265
25°	600	278
35°	426	265
45°	221	171
55°	55	53
65°	6	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1671.8
2.5°	1642.2
5°	1556.9
7.5°	1421.4
10°	1258.7
12.5°	1089.1
15°	938.9
17.5°	821.7
20°	729.5
22.5°	658.9
25°	599.8
27.5°	549.7
30°	504.2
32.5°	464.3
35°	425.6
37.5°	386.9
40°	339.1
42.5°	282.2
45°	220.8
47.5°	163.9
50°	117.2
52.5°	80.8
55°	54.6
57.5°	35.3
60°	21.6
62.5°	12.5
65°	5.7
67.5°	2.3
70°	1.1
72.5°	1.1
75°	0.0
77.5°	0.0
80°	0.0
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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