

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: P643610

Luminaire Tested: ML5615LSVWFL9FS1E - 692SC - 1500LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643610
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 - 1500LM - 5000K
Description: ML56 RR, MILKY OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

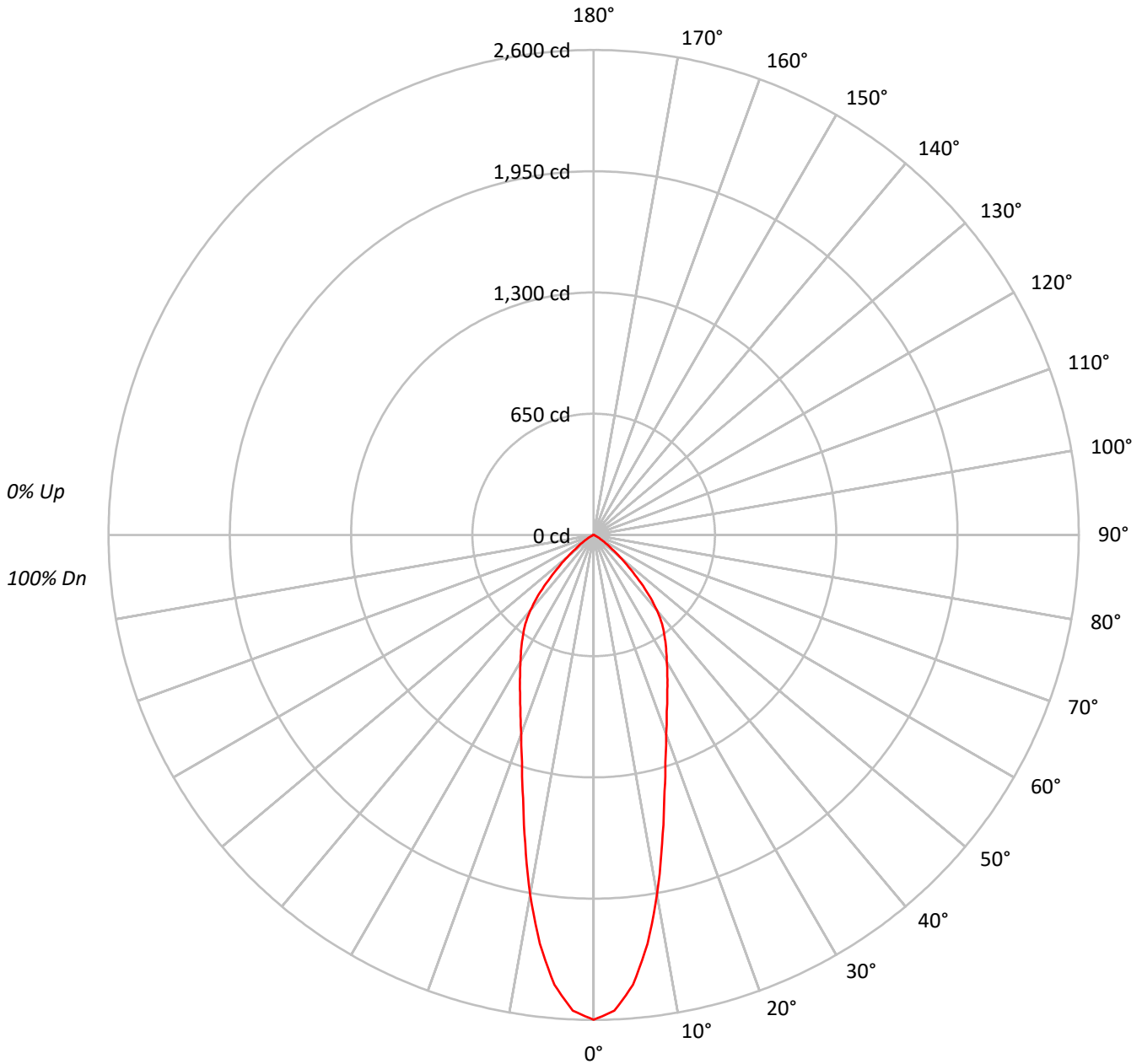
Lumens per Lamp: N/A
Luminaire Lumens: 1832.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.69
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	142505
5°	133216
10°	108949
15°	82855
20°	66173
25°	56411
30°	49622
35°	44290
40°	37735
45°	26615
50°	15547
55°	8114
60°	3684
65°	1141
70°	289
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26615 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	11.8
10°-20°	411.6	22.5
20°-30°	431.7	23.6
30°-40°	411.7	22.5
40°-50°	265.7	14.5
50°-60°	82.5	4.5
60°-70°	12.1	0.7
70°-80°	0.7	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°	1059.3	57.8
0°-40°	1471.0	80.3
0°-60°	1819.2	99.3
0°-90°	1832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1832.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2600	
5°	2421	216
15°	1460	412
25°	933	432
35°	662	412
45°	343	266
55°	85	82
65°	9	12
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2599.5
2.5°	2553.5
5°	2420.8
7.5°	2210.2
10°	1957.2
12.5°	1693.5
15°	1459.9
17.5°	1277.6
20°	1134.3
22.5°	1024.6
25°	932.6
27.5°	854.7
30°	783.9
32.5°	722.0
35°	661.8
37.5°	601.7
40°	527.3
42.5°	438.9
45°	343.3
47.5°	254.8
50°	182.3
52.5°	125.6
55°	84.9
57.5°	54.9
60°	33.6
62.5°	19.5
65°	8.8
67.5°	3.5
70°	1.8
72.5°	1.8
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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(END OF REPORT)