

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: P642683

Luminaire Tested: ML5615LSFL409FS1E - 694WB - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSFL409FS1E - 694WB - 900LM - 3500K
Description: ML56 RR, 40D TIR OPTIC, 6" WHITE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

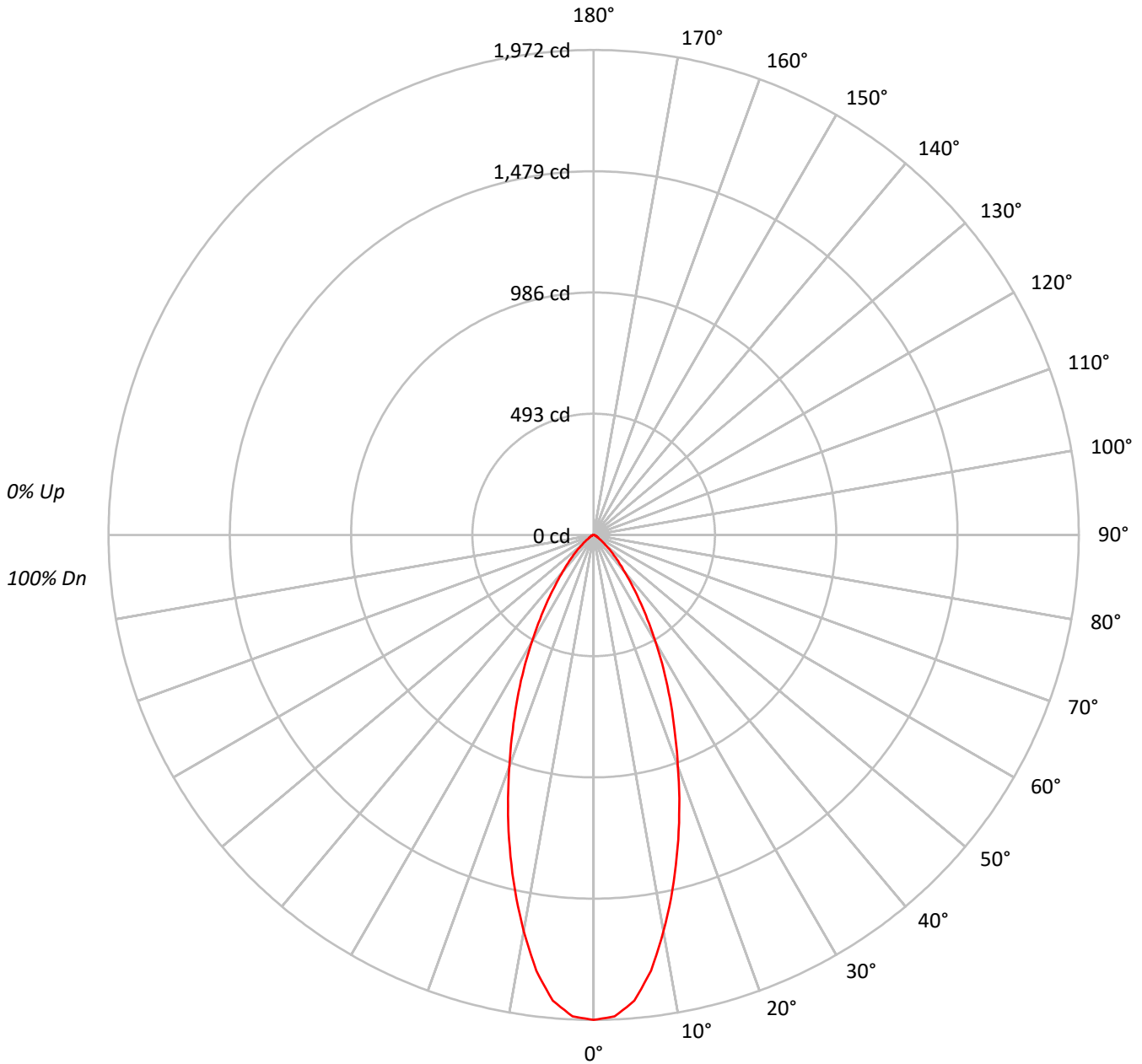
Lumens per Lamp: N/A
Luminaire Lumens: 1216.1 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.69
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.8	14.2
10°-20°	364.4	30.0
20°-30°	335.5	27.6
30°-40°	205.4	16.9
40°-50°	91.9	7.6
50°-60°	30.3	2.5
60°-70°	11.4	0.9
70°-80°	4.0	0.3
80°-90°	0.4	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°	872.7	71.8
0°-40°	1078.1	88.7
0°-60°	1200.3	98.7
0°-90°	1216.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1216.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1972	
5°	1901	173
15°	1318	364
25°	732	336
35°	323	205
45°	116	92
55°	31	30
65°	11	11
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1972.0
2.5°	1959.3
5°	1901.2
7.5°	1787.0
10°	1635.9
12.5°	1479.5
15°	1317.8
17.5°	1157.2
20°	1000.8
22.5°	859.2
25°	732.4
27.5°	614.0
30°	503.0
32.5°	405.8
35°	323.4
37.5°	253.6
40°	194.4
42.5°	152.2
45°	116.2
47.5°	85.6
50°	61.3
52.5°	43.3
55°	30.6
57.5°	23.2
60°	18.0
62.5°	14.8
65°	10.6
67.5°	8.5
70°	6.3
72.5°	5.3
75°	4.2
77.5°	2.1
80°	1.1
82.5°	1.1
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



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— 0°-180°

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