

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: P886094

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL-468LM-5000K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-72)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL-468LM-5000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 446.5 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.53
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

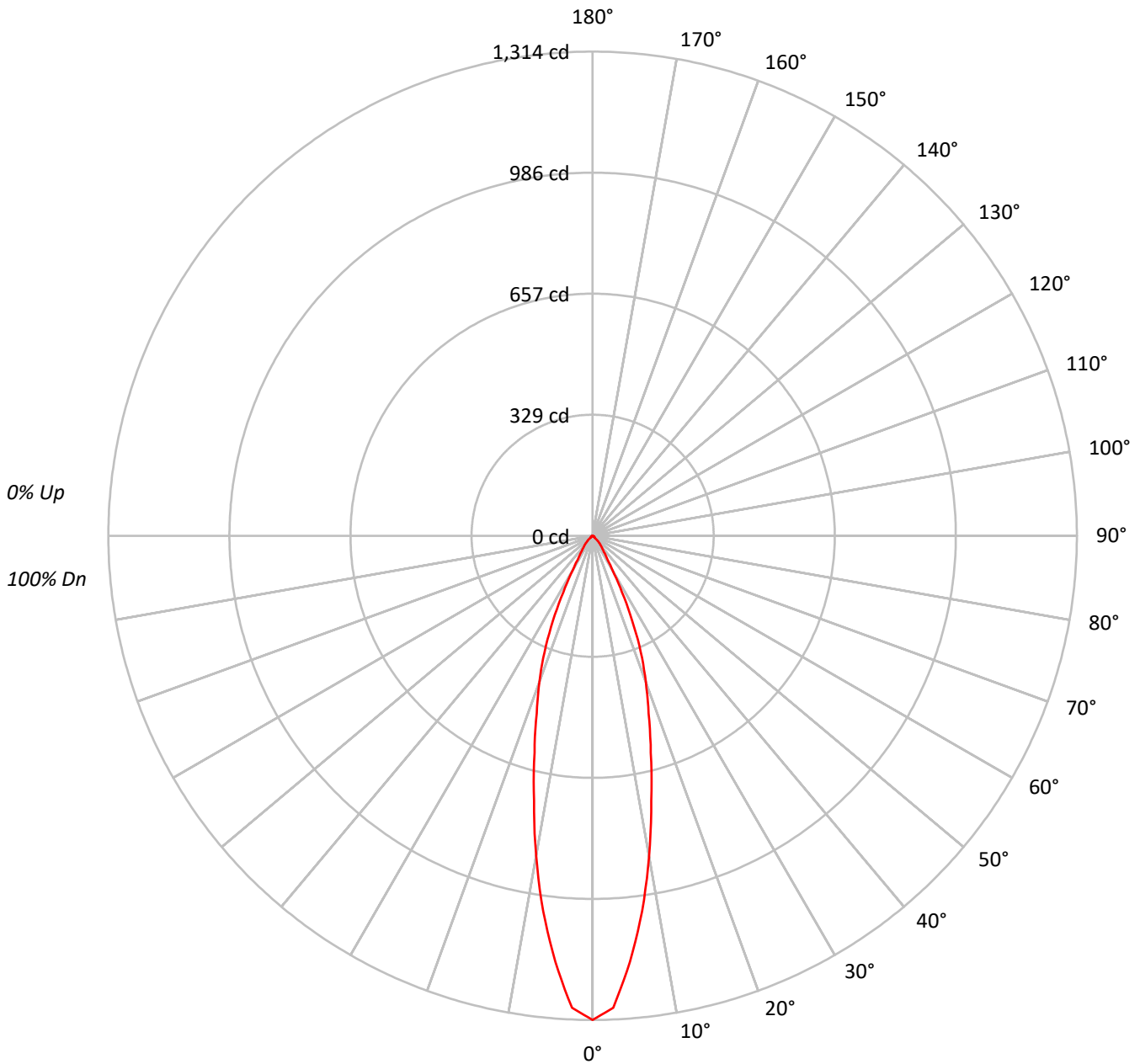
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90				
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86				
4	101	95	90	86	99	94	89	86	92	88	85	90	87	84	88	85	83	82				
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78				
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74				
7	90	82	77	74	89	82	77	74	80	76	73	79	76	73	78	75	72	71				
8	87	79	74	70	86	78	74	70	77	73	70	76	73	70	75	72	69	68				
9	84	76	71	67	83	75	71	67	74	70	67	74	70	67	73	69	67	66				
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	648350
5°	574655
10°	442325
15°	311221
20°	221306
25°	138328
30°	61015
35°	32223
40°	21962
45°	13606
50°	5219
55°	4215
60°	2862
65°	2218
70°	1443
75°	1906
80°	2841
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	22.9
10°-20°	170.7	38.2
20°-30°	115.1	25.8
30°-40°	36.6	8.2
40°-50°	14.4	3.2
50°-60°	4.3	1.0
60°-70°	2.1	0.5
70°-80°	1.1	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°	387.9	86.9
0°-40°	424.5	95.1
0°-60°	443.2	99.3
0°-90°	446.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	446.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1314	
5°	1160	102
15°	609	171
25°	254	115
35°	54	37
45°	20	14
55°	5	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1314.1
2.5°	1281.9
5°	1160.3
7.5°	1027.9
10°	882.9
12.5°	735.9
15°	609.3
17.5°	505.2
20°	421.5
22.5°	341.7
25°	254.1
27.5°	172.3
30°	107.1
32.5°	71.1
35°	53.5
37.5°	42.8
40°	34.1
42.5°	27.3
45°	19.5
47.5°	8.8
50°	6.8
52.5°	5.8
55°	4.9
57.5°	3.9
60°	2.9
62.5°	2.9
65°	1.9
67.5°	1.9
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
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)