

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: P886092

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL-468LM-3500K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886092
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-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 410.4 lumens
Efficiency: N/A
Efficacy: 51.3 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

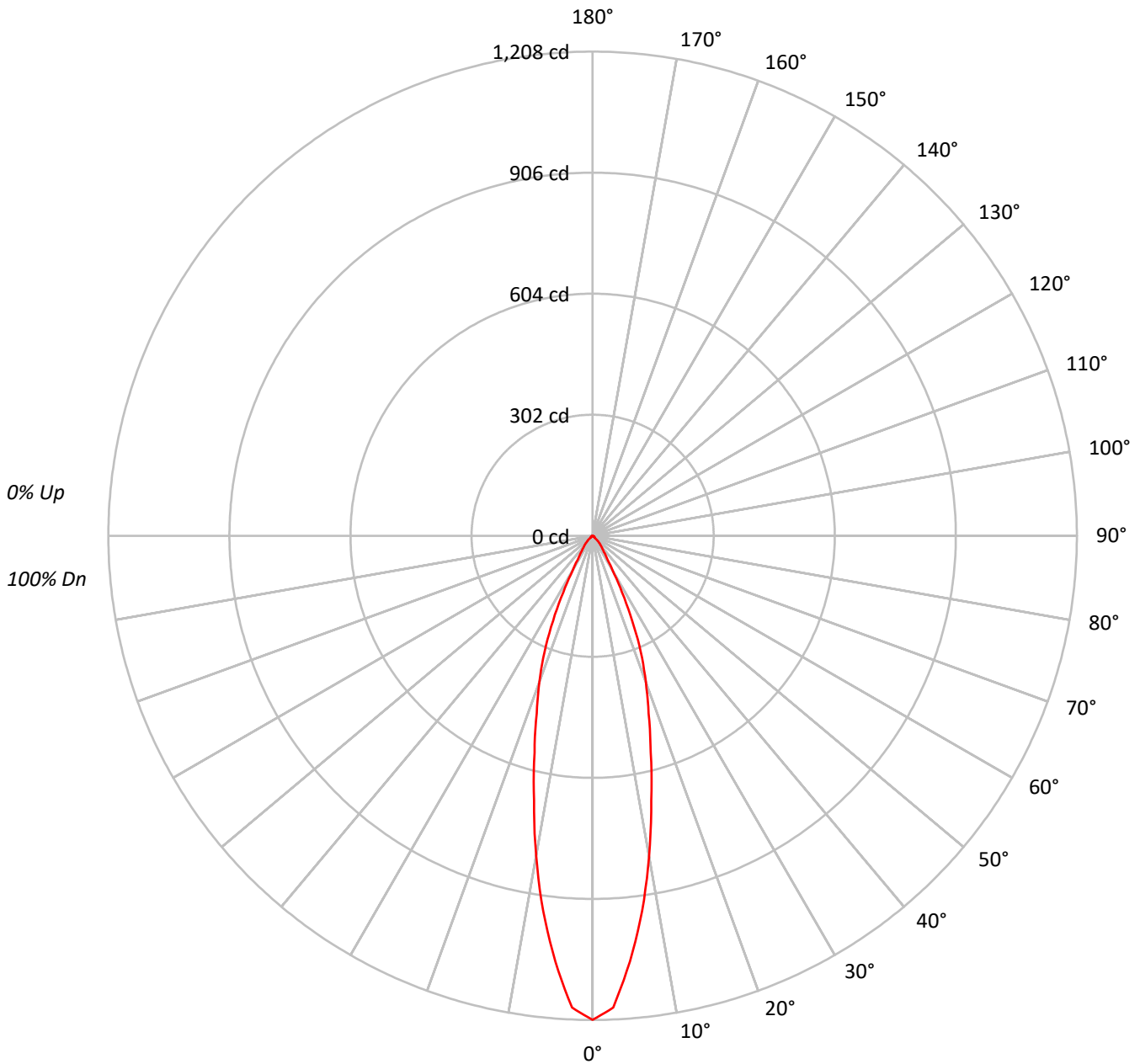
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	595904
5°	528150
10°	406504
15°	286090
20°	203402
25°	127114
30°	56059
35°	29633
40°	20159
45°	12490
50°	4836
55°	3871
60°	2664
65°	2101
70°	1298
75°	1716
80°	2557
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12490 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	22.9
10°-20°	156.9	38.2
20°-30°	105.8	25.8
30°-40°	33.6	8.2
40°-50°	13.2	3.2
50°-60°	4.0	1.0
60°-70°	2.0	0.5
70°-80°	1.0	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°	356.5	86.9
0°-40°	390.1	95.1
0°-60°	407.4	99.3
0°-90°	410.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	410.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1208	
5°	1066	94
15°	560	157
25°	234	106
35°	49	34
45°	18	13
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1207.8
2.5°	1178.3
5°	1066.4
7.5°	944.8
10°	811.4
12.5°	676.4
15°	560.1
17.5°	464.3
20°	387.4
22.5°	314.0
25°	233.5
27.5°	158.4
30°	98.4
32.5°	65.3
35°	49.2
37.5°	39.4
40°	31.3
42.5°	25.1
45°	17.9
47.5°	8.1
50°	6.3
52.5°	5.4
55°	4.5
57.5°	3.6
60°	2.7
62.5°	2.7
65°	1.8
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
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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