

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: P886158

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDSLb-468LM-4000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-81)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDSL B-468LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 4000K CCT
Ballast/Driver: -

Summary

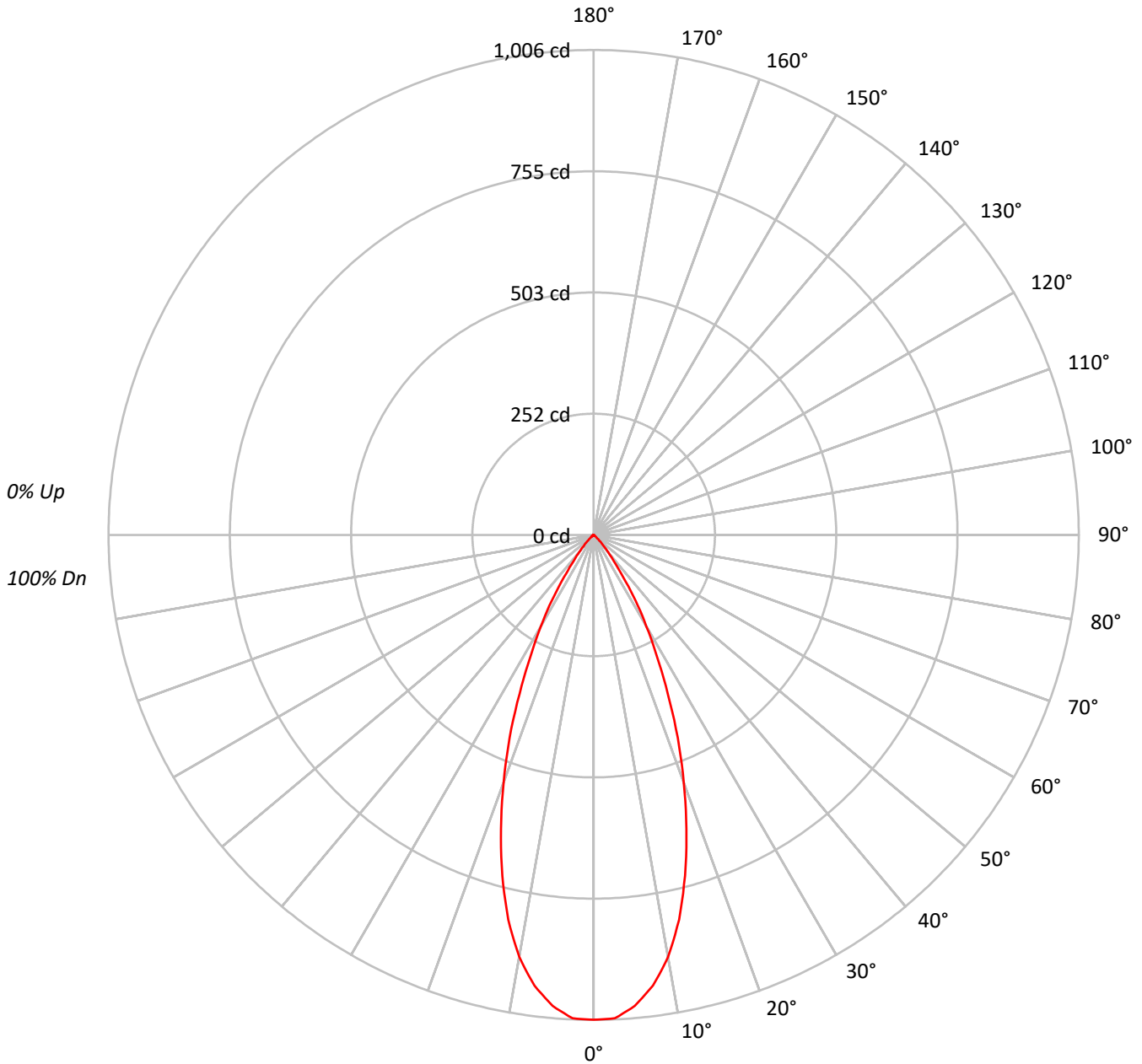
Lumens per Lamp: N/A
Luminaire Lumens: 550.2 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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			
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89			
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	88	83	79	94	87	83	79	86	81	78	84	80	78	83	79	77	76			
6	92	84	79	75	90	83	78	74	82	77	74	80	76	73	79	76	73	72			
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68			
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65			
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	496192
5°	485706
10°	445431
15°	373792
20°	286621
25°	197938
30°	124367
35°	64085
40°	29820
45°	11652
50°	4989
55°	2409
60°	1875
65°	1051
70°	1298
75°	1716
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11652 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	16.5
10°-20°	200.9	36.5
20°-30°	167.2	30.4
30°-40°	71.5	13.0
40°-50°	15.2	2.8
50°-60°	3.0	0.5
60°-70°	1.0	0.2
70°-80°	0.6	0.1
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°	458.8	83.4
0°-40°	530.3	96.4
0°-60°	548.6	99.7
0°-90°	550.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	550.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1006	
5°	981	91
15°	732	201
25°	364	167
35°	106	71
45°	17	15
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1005.7
2.5°	1003.8
5°	980.7
7.5°	942.8
10°	889.1
12.5°	817.9
15°	731.8
17.5°	639.3
20°	545.9
22.5°	455.2
25°	363.6
27.5°	283.1
30°	218.3
32.5°	161.9
35°	106.4
37.5°	68.5
40°	46.3
42.5°	29.6
45°	16.7
47.5°	8.3
50°	6.5
52.5°	4.6
55°	2.8
57.5°	1.9
60°	1.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
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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