

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: P886095

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSLb-468LM-2700K

Issue Date: 7/18/2024

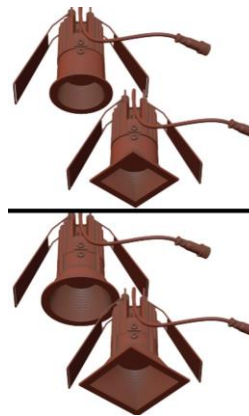
Test Information

Test Method: LM-79-2019
Report Number: P886095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-75)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL B-468LM-2700K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT
Ballast/Driver: -

Summary

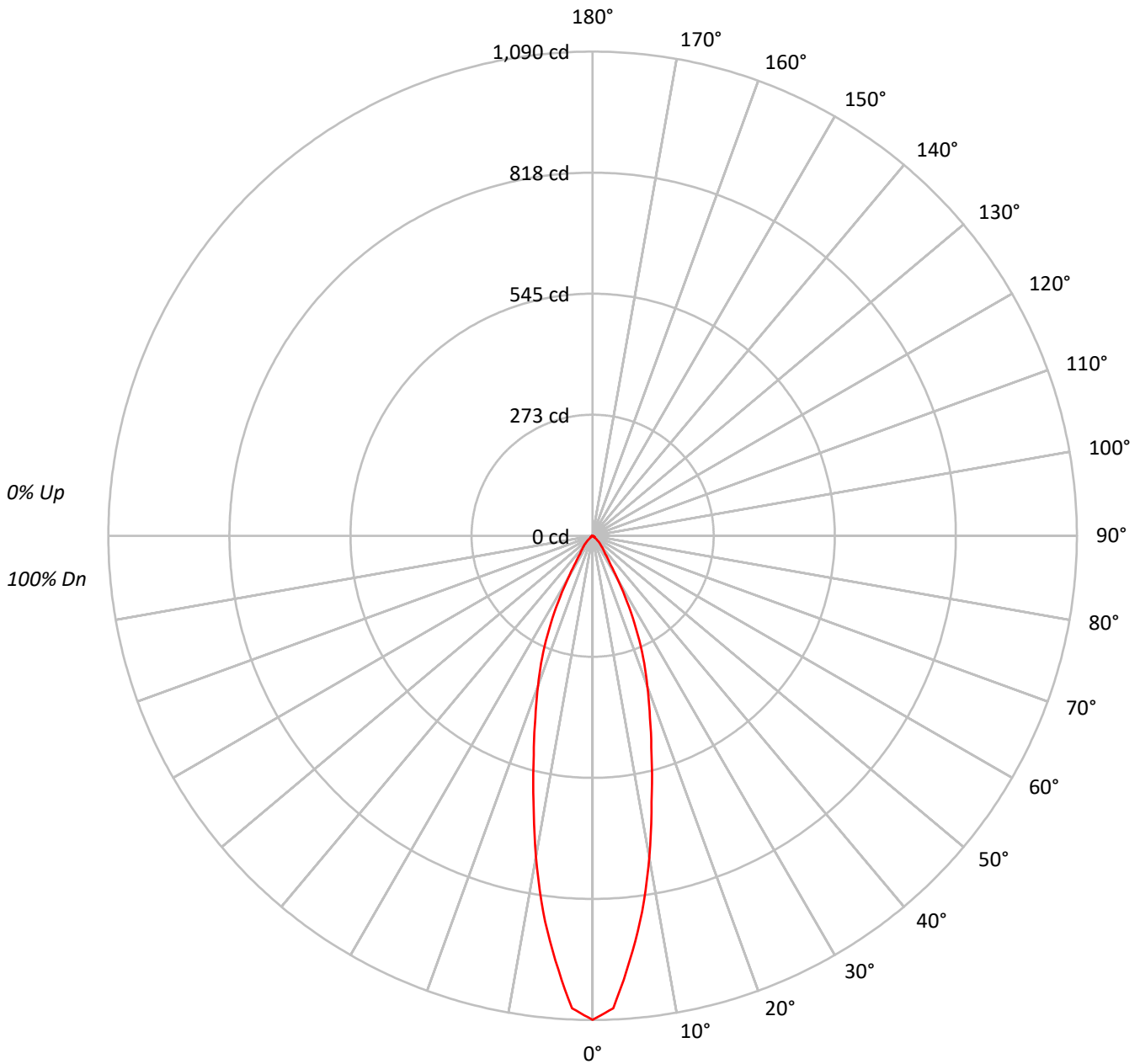
Lumens per Lamp: N/A
Luminaire Lumens: 389.3 lumens
Efficiency: N/A
Efficacy: 48.7 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	95	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81	81	81	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77	77	77	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	81	77	75	74	74	74	74
7	89	81	76	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70	70	70	70
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	75	71	68	67	67	67	67
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64	64	64	64
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62	62	62	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	537685
5°	475355
10°	367877
15°	261215
20°	188386
25°	126406
30°	61585
35°	29814
40°	20546
45°	13466
50°	5143
55°	3613
60°	3355
65°	1985
70°	2452
75°	1525
80°	2273
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13466 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	21.8
10°-20°	143.5	36.9
20°-30°	104.3	26.8
30°-40°	35.1	9.0
40°-50°	14.3	3.7
50°-60°	4.1	1.1
60°-70°	2.1	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°	332.6	85.4
0°-40°	367.7	94.4
0°-60°	386.2	99.2
0°-90°	389.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1090	
5°	960	85
15°	511	143
25°	232	104
35°	50	35
45°	19	14
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1089.8
2.5°	1064.6
5°	959.8
7.5°	854.2
10°	734.3
12.5°	613.6
15°	511.4
17.5°	429.2
20°	358.8
22.5°	297.6
25°	232.2
27.5°	167.7
30°	108.1
32.5°	70.4
35°	49.5
37.5°	39.4
40°	31.9
42.5°	26.0
45°	19.3
47.5°	10.9
50°	6.7
52.5°	5.9
55°	4.2
57.5°	3.4
60°	3.4
62.5°	2.5
65°	1.7
67.5°	1.7
70°	1.7
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
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)