

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: P886159

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDSLb-468LM-5000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886159
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-5000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 5000K CCT
Ballast/Driver: -

Summary

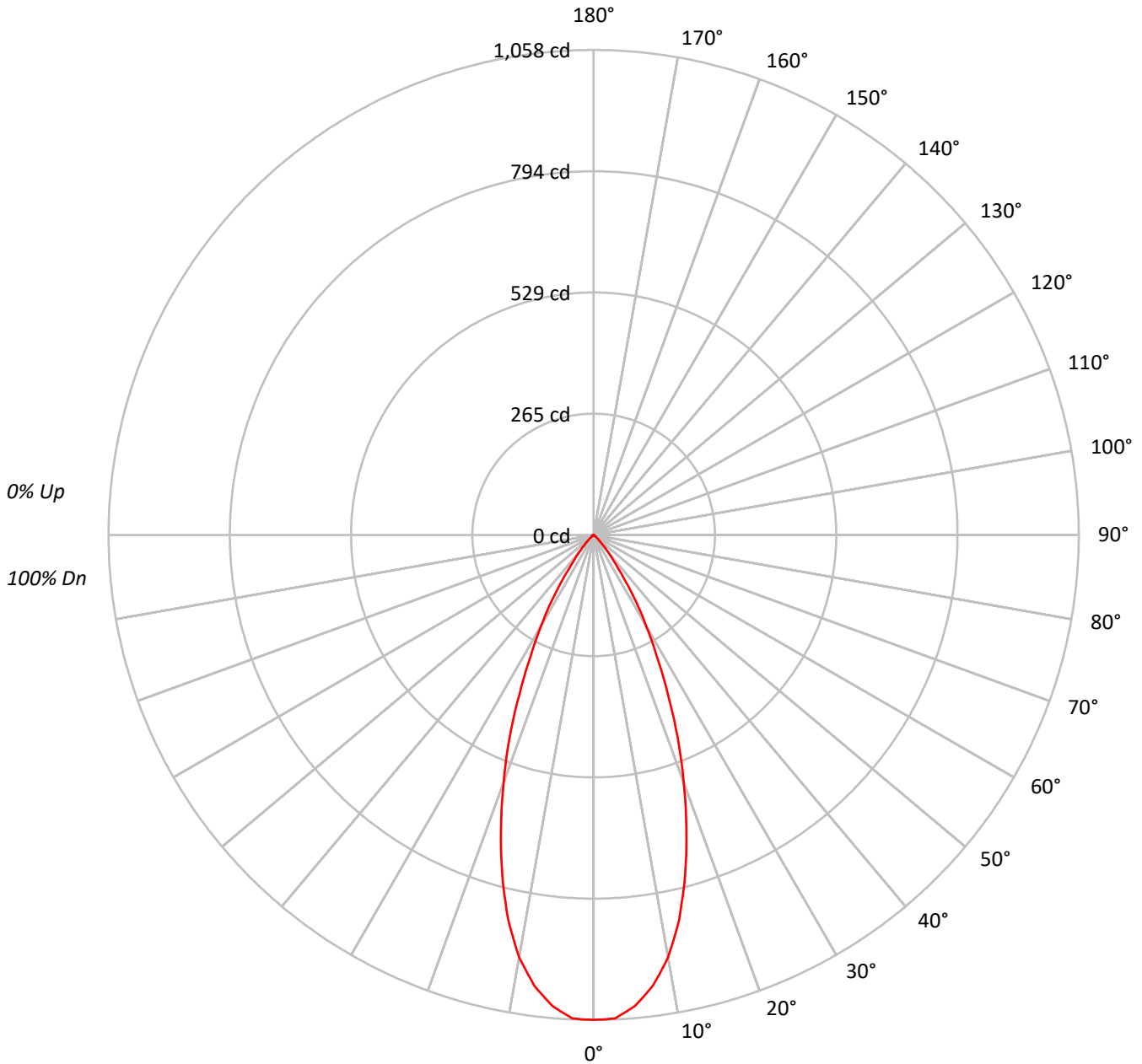
Lumens per Lamp: N/A
Luminaire Lumens: 578.8 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	521996
5°	510964
10°	468627
15°	393253
20°	301533
25°	208227
30°	130861
35°	67398
40°	31366
45°	12211
50°	5219
55°	2495
60°	1875
65°	1167
70°	1443
75°	1906
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12211 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	16.5
10°-20°	211.4	36.5
20°-30°	175.9	30.4
30°-40°	75.2	13.0
40°-50°	16.0	2.8
50°-60°	3.1	0.5
60°-70°	1.1	0.2
70°-80°	0.7	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°	482.7	83.4
0°-40°	557.9	96.4
0°-60°	577.0	99.7
0°-90°	578.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	578.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1058	
5°	1032	95
15°	770	211
25°	382	176
35°	112	75
45°	18	16
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1058.0
2.5°	1056.1
5°	1031.7
7.5°	991.8
10°	935.4
12.5°	860.4
15°	769.9
17.5°	672.6
20°	574.3
22.5°	478.9
25°	382.5
27.5°	297.8
30°	229.7
32.5°	170.3
35°	111.9
37.5°	72.0
40°	48.7
42.5°	31.1
45°	17.5
47.5°	8.8
50°	6.8
52.5°	4.9
55°	2.9
57.5°	1.9
60°	1.9
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
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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(END OF REPORT)