

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: P886079

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDMBB-468LM-5000K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D25NFL-TL2RDMMB-468LM-5000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, MATTE BLACK BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 5000K CCT
Ballast/Driver: -

Summary

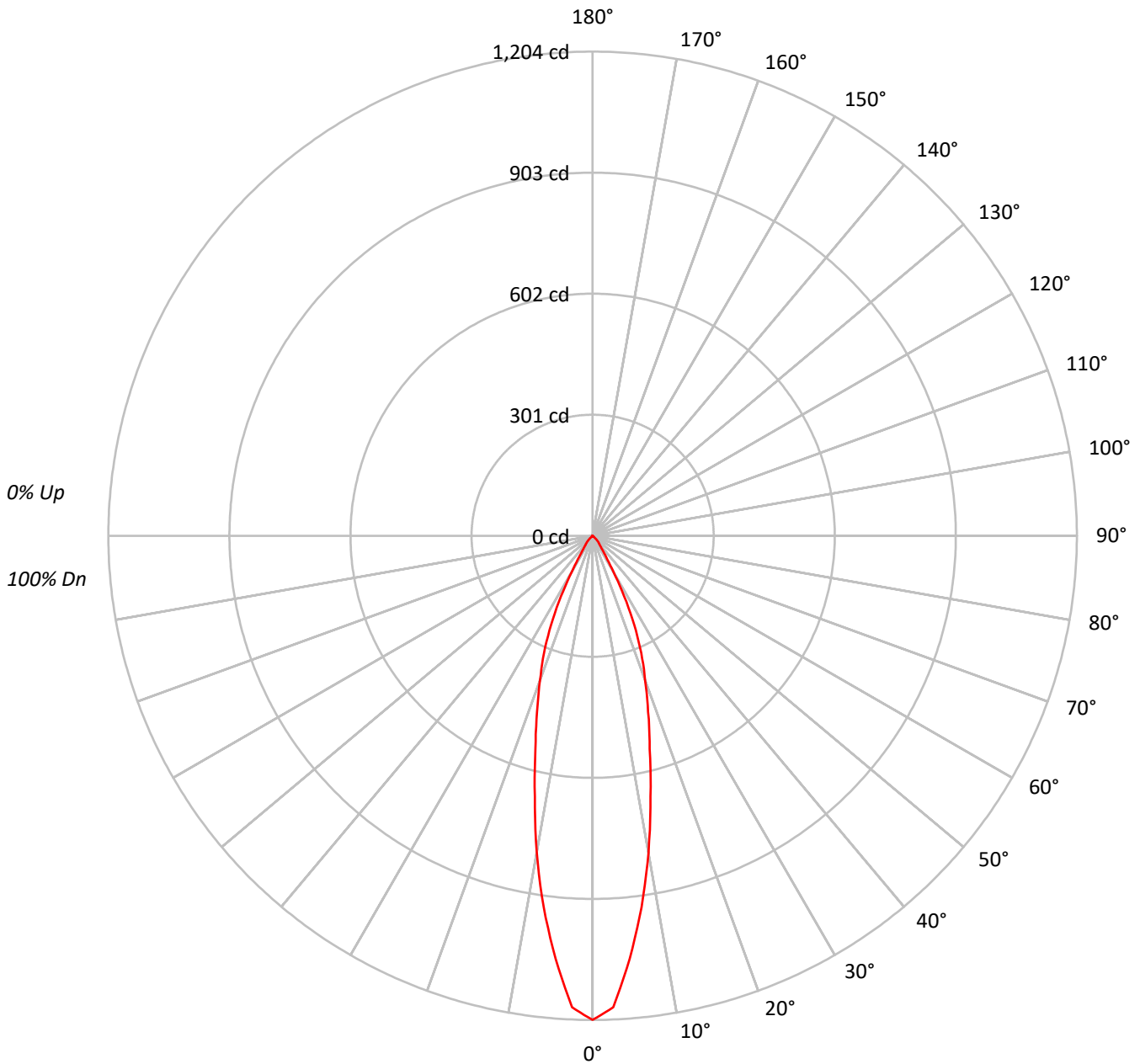
Lumens per Lamp: N/A
Luminaire Lumens: 395.9 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.53
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593930
5°	522801
10°	400442
15°	280318
20°	200619
25°	133211
30°	58281
35°	24092
40°	15715
45°	9489
50°	1458
55°	860
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9489 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	23.5
10°-20°	154.3	39.0
20°-30°	108.7	27.4
30°-40°	29.7	7.5
40°-50°	9.6	2.4
50°-60°	0.6	0.2
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	355.8	89.9
0°-40°	385.6	97.4
0°-60°	395.9	100.0
0°-90°	395.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1204	
5°	1056	93
15°	549	154
25°	245	109
35°	40	30
45°	14	10
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1203.8
2.5°	1173.6
5°	1055.6
7.5°	931.8
10°	799.3
12.5°	663.8
15°	548.8
17.5°	459.1
20°	382.1
22.5°	315.8
25°	244.7
27.5°	169.6
30°	102.3
32.5°	61.4
35°	40.0
37.5°	30.2
40°	24.4
42.5°	19.5
45°	13.6
47.5°	4.9
50°	1.9
52.5°	1.0
55°	1.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
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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