

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: P886451

Luminaire Tested: ML204LSFLD2W1E-TIR1D25NFL-TL2RDSLb-400LM-3000K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886451
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: ML204LSFLD2W1E-TIR1D25NFL-TL2RDSLb-400LM-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) D2W LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

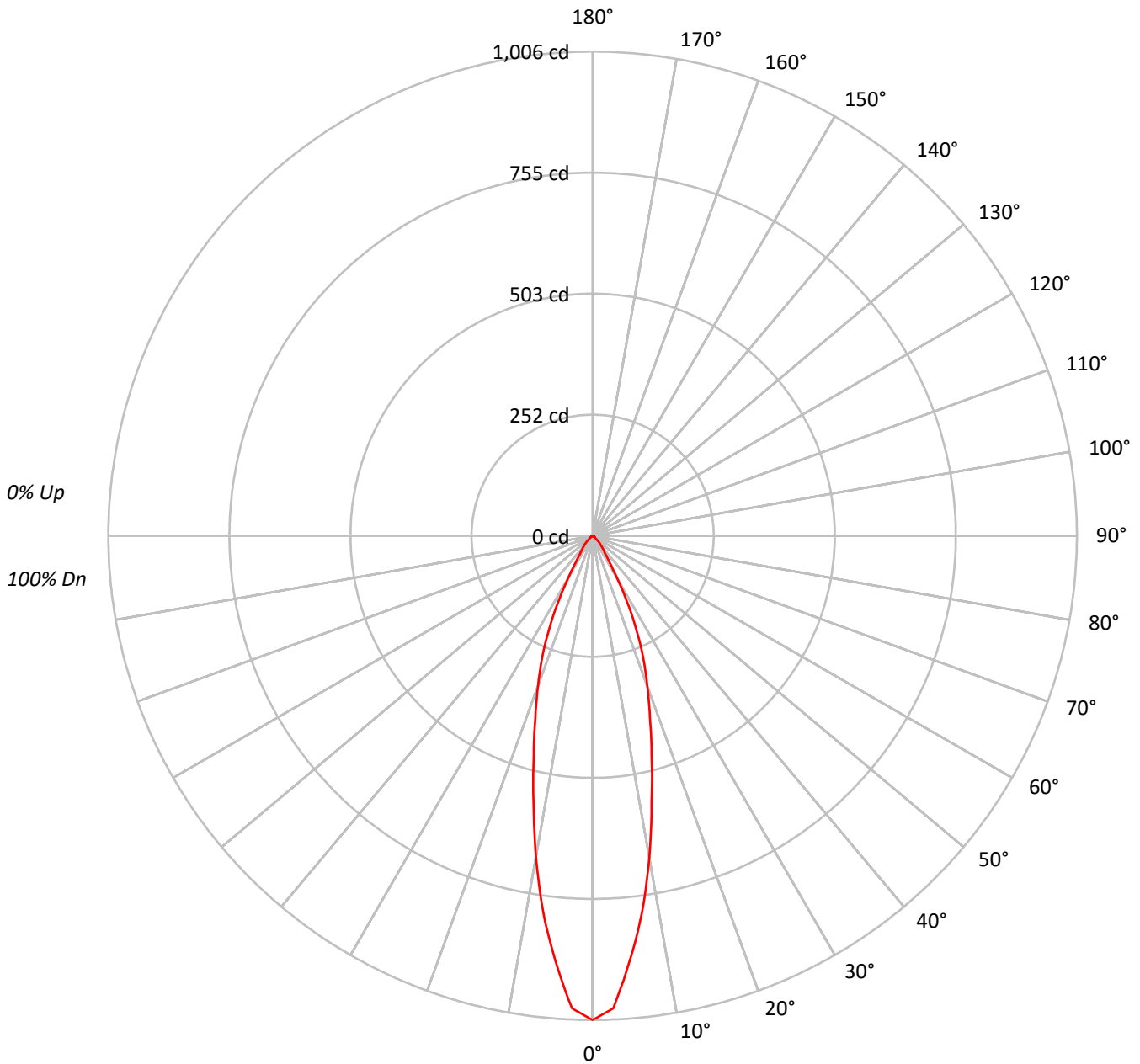
Lumens per Lamp: N/A
Luminaire Lumens: 359.4 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 6.2
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	109	107	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°	496290
5°	438804
10°	339572
15°	241090
20°	173894
25°	116662
30°	56857
35°	27525
40°	18935
45°	12420
50°	4759
55°	3355
60°	3059
65°	1751
70°	2164
75°	1525
80°	2273
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12420 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	21.8
10°-20°	132.4	36.9
20°-30°	96.3	26.8
30°-40°	32.4	9.0
40°-50°	13.2	3.7
50°-60°	3.8	1.1
60°-70°	1.9	0.5
70°-80°	0.9	0.3
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°	307.0	85.4
0°-40°	339.4	94.5
0°-60°	356.4	99.2
0°-90°	359.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	359.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1006	
5°	886	78
15°	472	132
25°	214	96
35°	46	32
45°	18	13
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CATALOG NUMBER: ML204LSFLD2W1E-TIR1D25NFL-TL2RDSL B-400LM-3000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1005.9
2.5°	982.7
5°	886.0
7.5°	788.5
10°	677.8
12.5°	566.4
15°	472.0
17.5°	396.2
20°	331.2
22.5°	274.7
25°	214.3
27.5°	154.8
30°	99.8
32.5°	65.0
35°	45.7
37.5°	36.4
40°	29.4
42.5°	24.0
45°	17.8
47.5°	10.1
50°	6.2
52.5°	5.4
55°	3.9
57.5°	3.1
60°	3.1
62.5°	2.3
65°	1.5
67.5°	1.5
70°	1.5
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)