

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: P886467

Luminaire Tested: ML204LSFLD2W1E-TIR1D40FL-TL2RDMBB-400LM-4000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-82)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFLD2W1E-TIR1D40FL-TL2RDMMBB-400LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, MATTE BLACK BAFFLED TRIM
Light Source: (1) D2W LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

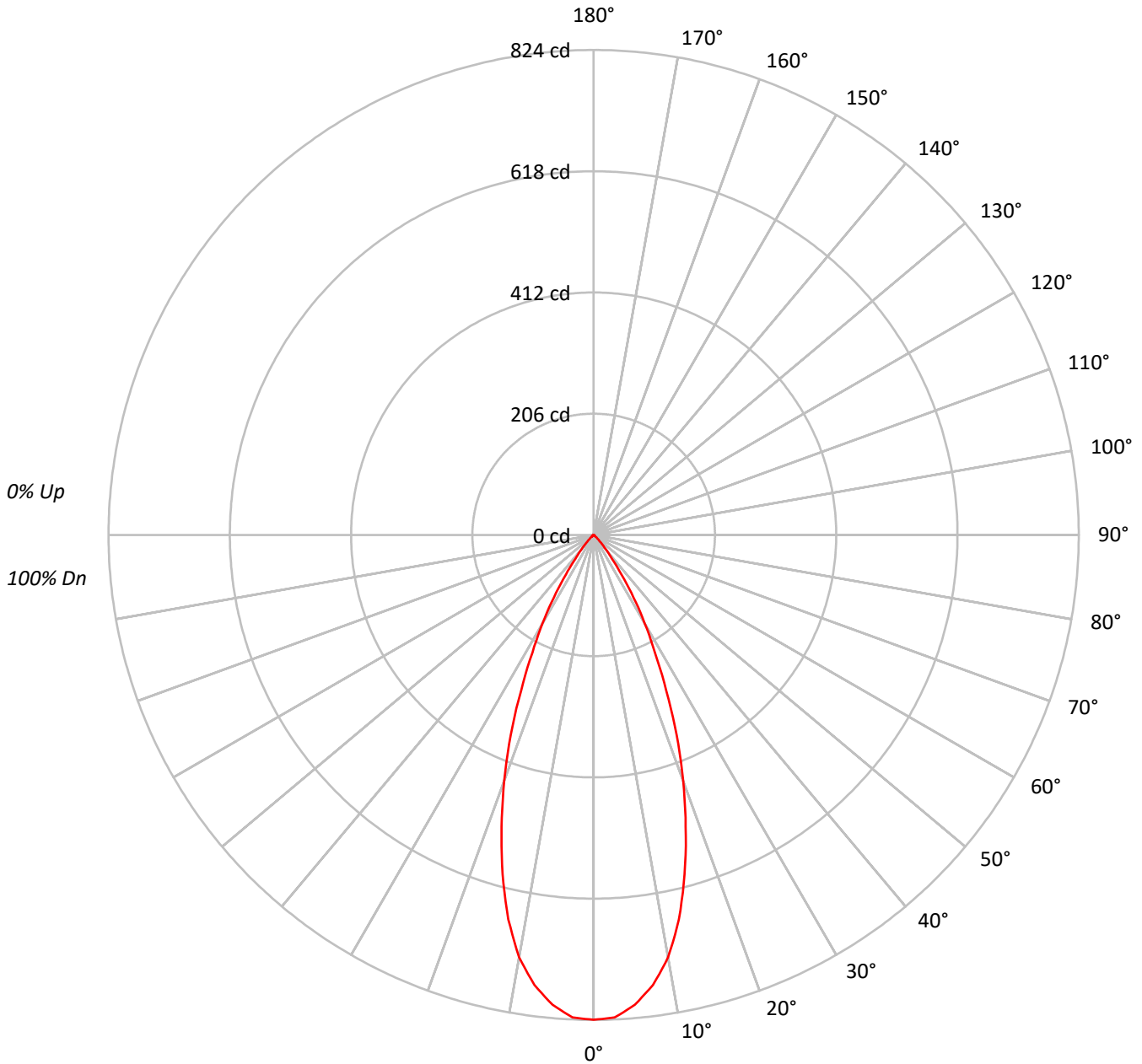
Lumens per Lamp: N/A
Luminaire Lumens: 438.6 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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	110	108	106	106	104	103	102	101	100	98	98	97	95		
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76		
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73		
7	88	80	75	71	87	80	75	71	79	74	71	77	73	71	76	73	70	69		
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66		
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63		
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406446
5°	396905
10°	365022
15°	304989
20°	233119
25°	158742
30°	98730
35°	49389
40°	21447
45°	7536
50°	2379
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7536 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	16.9
10°-20°	163.9	37.4
20°-30°	134.4	30.6
30°-40°	55.2	12.6
40°-50°	10.1	2.3
50°-60°	0.8	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°	372.5	84.9
0°-40°	427.7	97.5
0°-60°	438.6	100.0
0°-90°	438.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	438.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	824	
5°	801	74
15°	597	164
25°	292	134
35°	82	55
45°	11	10
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	823.8
2.5°	820.7
5°	801.4
7.5°	771.2
10°	728.6
12.5°	669.1
15°	597.1
17.5°	519.8
20°	444.0
22.5°	368.2
25°	291.6
27.5°	225.1
30°	173.3
32.5°	126.1
35°	82.0
37.5°	51.1
40°	33.3
42.5°	20.1
45°	10.8
47.5°	4.6
50°	3.1
52.5°	1.5
55°	0.8
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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(END OF REPORT)