

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: P886471

Luminaire Tested: ML204LSFLD2W1E-TIR1D40FL-TL2RDMWB-400LM-4000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-80)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFLD2W1E-TIR1D40FL-TL2RDMWB-400LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) D2W LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

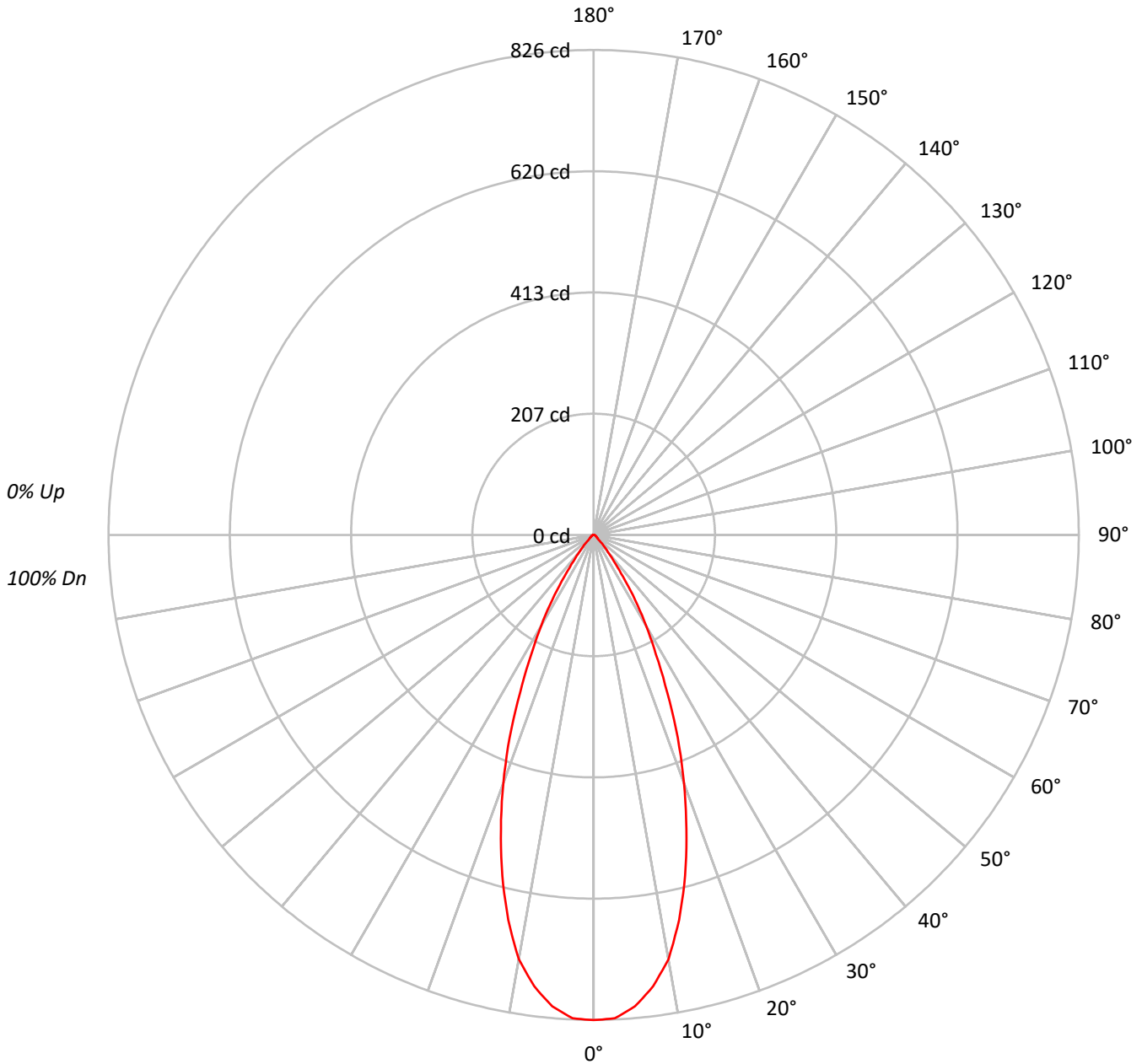
Lumens per Lamp: N/A
Luminaire Lumens: 462.3 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79			
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74			
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70			
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67			
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	67	65	63			
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60			
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	407680
5°	399282
10°	367477
15°	307083
20°	236007
25°	161301
30°	101806
35°	52220
40°	24410
45°	11303
50°	6524
55°	5333
60°	4539
65°	4553
70°	4472
75°	4384
80°	4262
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11303 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	16.1
10°-20°	165.2	35.7
20°-30°	136.7	29.6
30°-40°	58.4	12.6
40°-50°	14.4	3.1
50°-60°	5.6	1.2
60°-70°	4.0	0.9
70°-80°	2.6	0.6
80°-90°	0.8	0.2
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°	376.5	81.4
0°-40°	434.9	94.1
0°-60°	454.9	98.4
0°-90°	462.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	462.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	826	
5°	806	75
15°	601	165
25°	296	137
35°	87	58
45°	16	14
55°	6	6
65°	4	4
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	826.3
2.5°	824.0
5°	806.2
7.5°	775.3
10°	733.5
12.5°	671.6
15°	601.2
17.5°	525.4
20°	449.5
22.5°	373.7
25°	296.3
27.5°	229.8
30°	178.7
32.5°	131.5
35°	86.7
37.5°	56.5
40°	37.9
42.5°	26.3
45°	16.2
47.5°	10.1
50°	8.5
52.5°	7.0
55°	6.2
57.5°	5.4
60°	4.6
62.5°	4.6
65°	3.9
67.5°	3.9
70°	3.1
72.5°	3.1
75°	2.3
77.5°	2.3
80°	1.5
82.5°	1.5
85°	0.8
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)