

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: P886446

Luminaire Tested: ML204LSFLD2W1E-TIR1D25NFL-TL2RDMWB-400LM-2700K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-74)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFLD2W1E-TIR1D25NFL-TL2RDMWB-400LM-2700K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) D2W LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

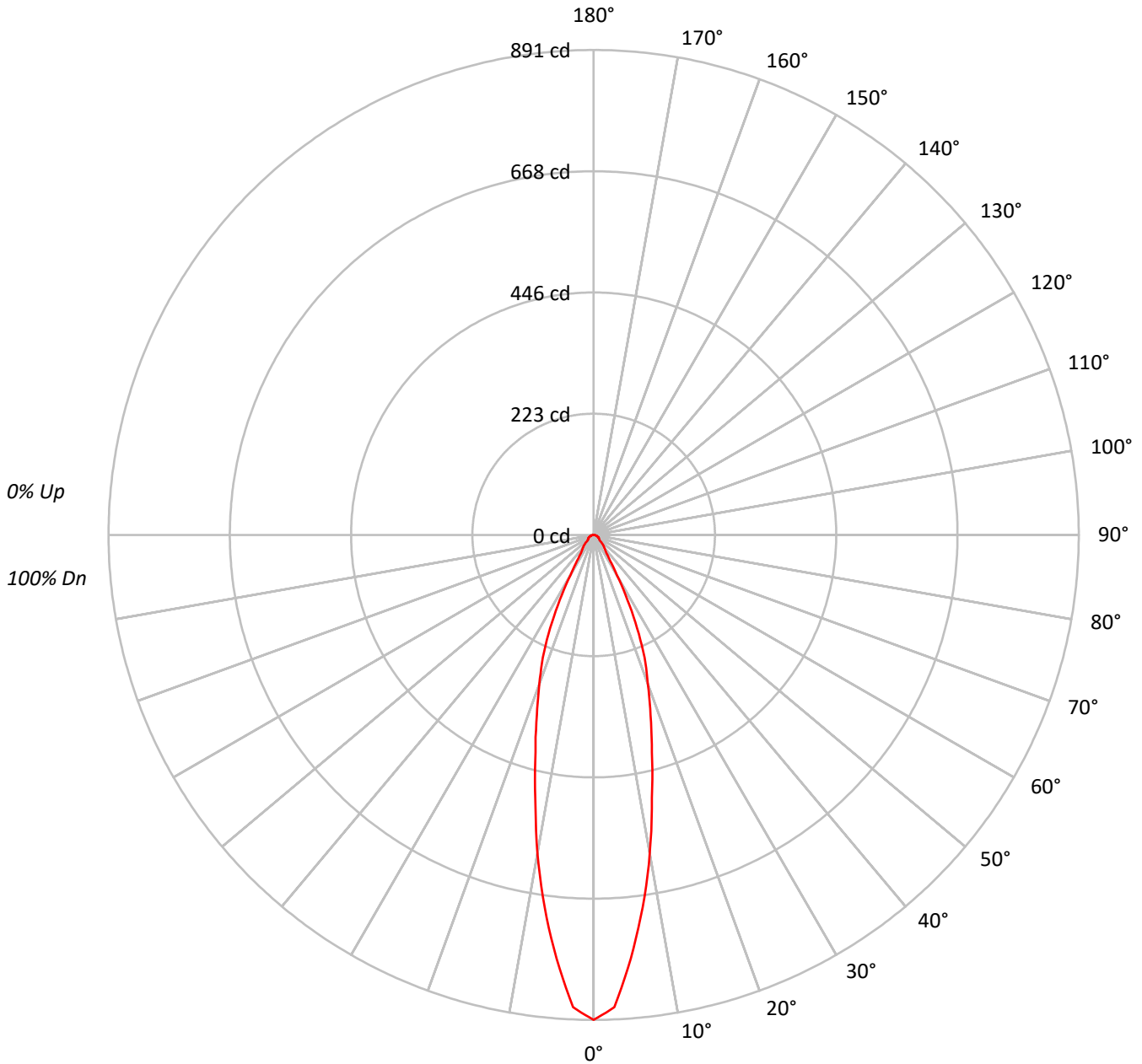
Lumens per Lamp: N/A
Luminaire Lumens: 341.2 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			
1	113	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82			
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77			
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73			
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69			
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66			
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63			
9	80	71	66	62	79	70	65	62	70	65	62	69	64	61	68	64	61	60			
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	58			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	439601
5°	387049
10°	297588
15°	211005
20°	152893
25°	102834
30°	48482
35°	24755
40°	19515
45°	15560
50°	10516
55°	10580
60°	10657
65°	10157
70°	9377
75°	9531
80°	8240
85°	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15560 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	20.2
10°-20°	115.9	34.0
20°-30°	84.5	24.8
30°-40°	29.2	8.5
40°-50°	16.5	4.8
50°-60°	11.0	3.2
60°-70°	8.6	2.5
70°-80°	5.2	1.5
80°-90°	1.6	0.5
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°	269.2	78.9
0°-40°	298.4	87.5
0°-60°	325.8	95.5
0°-90°	341.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	891	
5°	782	69
15°	413	116
25°	189	84
35°	41	29
45°	22	16
55°	12	11
65°	9	9
75°	5	5
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	891.0
2.5°	868.7
5°	781.5
7.5°	689.9
10°	594.0
12.5°	494.5
15°	413.1
17.5°	346.8
20°	291.2
22.5°	243.7
25°	188.9
27.5°	134.1
30°	85.1
32.5°	56.2
35°	41.1
37.5°	34.6
40°	30.3
42.5°	26.7
45°	22.3
47.5°	15.1
50°	13.7
52.5°	13.0
55°	12.3
57.5°	11.5
60°	10.8
62.5°	9.4
65°	8.7
67.5°	7.9
70°	6.5
72.5°	5.8
75°	5.0
77.5°	4.3
80°	2.9
82.5°	2.2
85°	1.4
87.5°	0.7
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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