

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: P886447

Luminaire Tested: ML204LSFLD2W1E-TIR1D25NFL-TL2RDMWB-400LM-3000K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886447
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-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) D2W LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

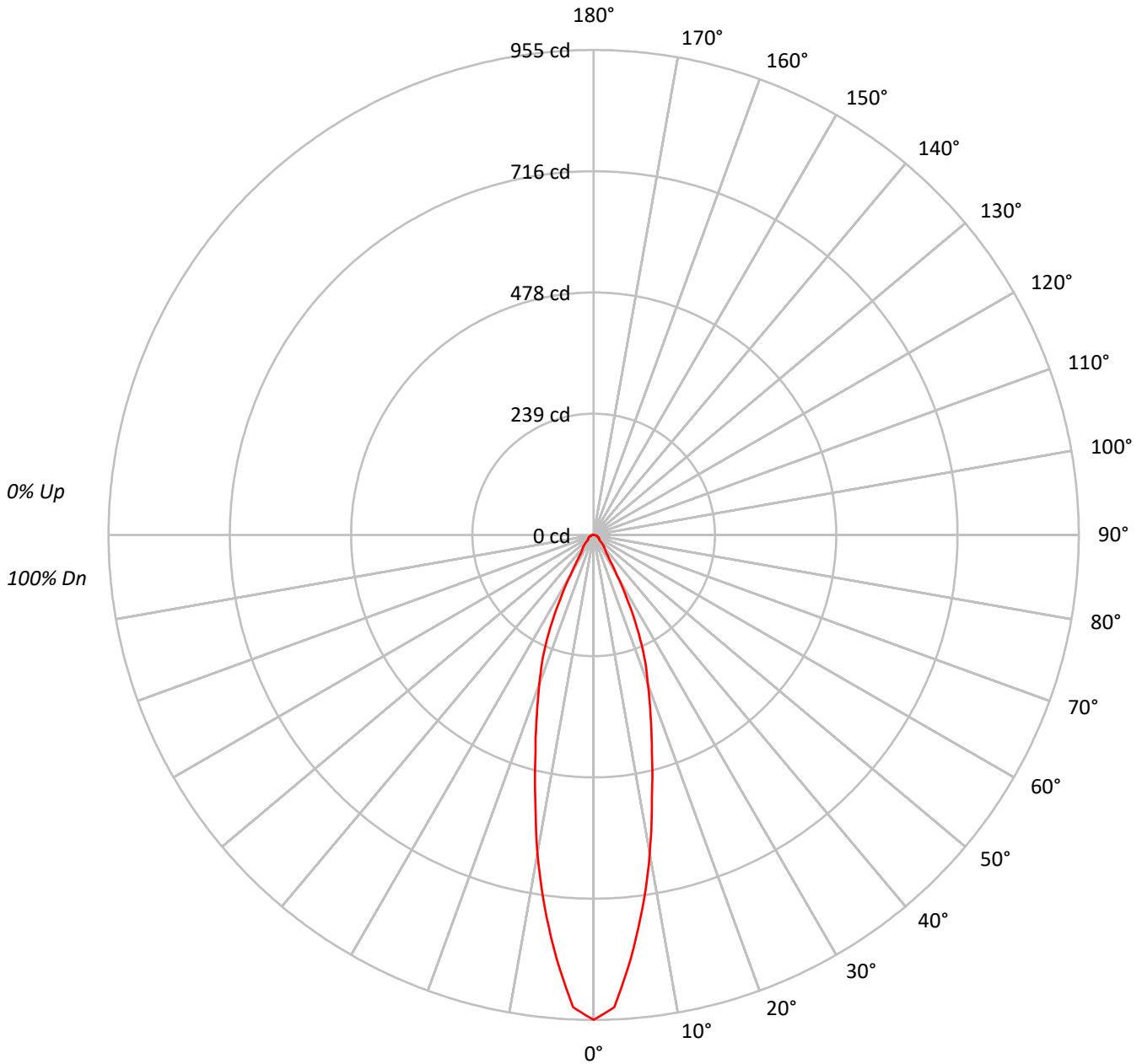
Lumens per Lamp: N/A
Luminaire Lumens: 365.6 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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									
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	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°	471128
5°	414784
10°	318931
15°	226124
20°	163866
25°	110183
30°	51957
35°	26501
40°	20868
45°	16676
50°	11283
55°	11268
60°	11446
65°	10857
70°	10098
75°	10294
80°	8808
85°	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16676 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	20.2
10°-20°	124.2	34.0
20°-30°	90.5	24.8
30°-40°	31.3	8.5
40°-50°	17.6	4.8
50°-60°	11.8	3.2
60°-70°	9.2	2.5
70°-80°	5.6	1.5
80°-90°	1.7	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°	288.5	78.9
0°-40°	319.7	87.5
0°-60°	349.1	95.5
0°-90°	365.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	365.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	955	
5°	838	74
15°	443	124
25°	202	91
35°	44	31
45°	24	18
55°	13	12
65°	9	9
75°	5	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	954.9
2.5°	930.9
5°	837.5
7.5°	739.3
10°	636.6
12.5°	530.0
15°	442.7
17.5°	371.6
20°	312.1
22.5°	261.1
25°	202.4
27.5°	143.7
30°	91.2
32.5°	60.3
35°	44.0
37.5°	37.1
40°	32.4
42.5°	28.6
45°	23.9
47.5°	16.2
50°	14.7
52.5°	13.9
55°	13.1
57.5°	12.4
60°	11.6
62.5°	10.0
65°	9.3
67.5°	8.5
70°	7.0
72.5°	6.2
75°	5.4
77.5°	4.6
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
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)