

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: P886497

Luminaire Tested: ML204LSFLD2W1E-TIR1D55WFL-TL2RDSL-400LM-4000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-84)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFLD2W1E-TIR1D55WFL-TL2RDSL-400LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, METALLIC SILVER TRIM
Light Source: (1) D2W LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

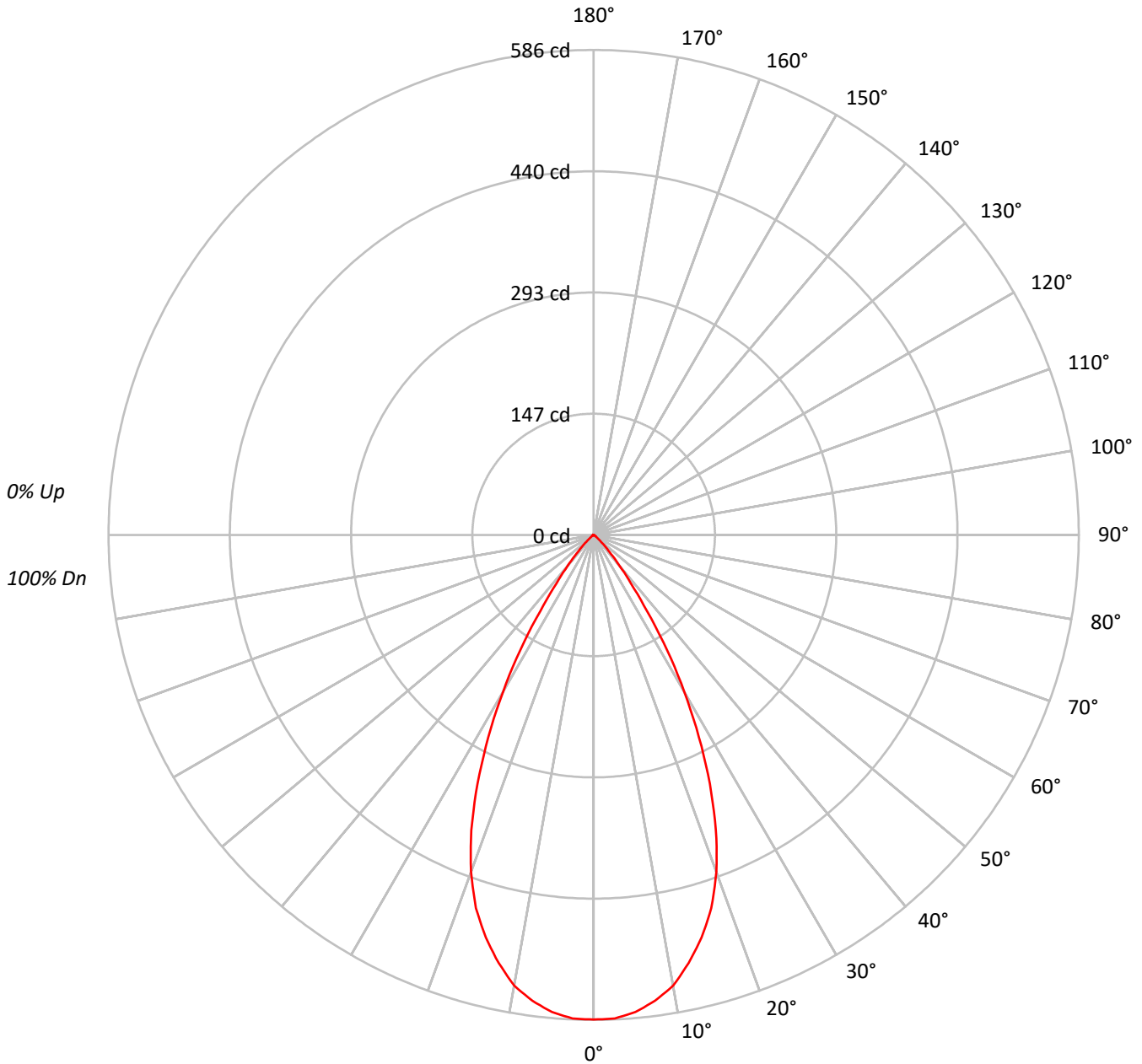
Lumens per Lamp: N/A
Luminaire Lumens: 438.6 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.81
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	106	102	99	96	99	96	94	96	94	92	93	91	90	88			
3	103	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83			
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78			
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73			
6	90	81	76	72	88	80	75	71	79	74	71	78	74	70	76	73	70	69			
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65			
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61			
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58			
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	288923
5°	286560
10°	277098
15°	257231
20°	227449
25°	180681
30°	124709
35°	67579
40°	31366
45°	12978
50°	4759
55°	1978
60°	1480
65°	934
70°	1154
75°	1525
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	12.4
10°-20°	140.0	31.9
20°-30°	149.7	34.1
30°-40°	74.0	16.9
40°-50°	16.5	3.8
50°-60°	2.5	0.6
60°-70°	0.9	0.2
70°-80°	0.5	0.1
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°	344.1	78.5
0°-40°	418.1	95.3
0°-60°	437.2	99.7
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°	586	
5°	579	54
15°	504	140
25°	332	150
35°	112	74
45°	19	17
55°	2	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	585.6
2.5°	584.8
5°	578.6
7.5°	567.8
10°	553.1
12.5°	529.9
15°	503.6
17.5°	472.7
20°	433.2
22.5°	386.0
25°	331.9
27.5°	275.4
30°	218.9
32.5°	165.5
35°	112.2
37.5°	73.5
40°	48.7
42.5°	30.9
45°	18.6
47.5°	10.8
50°	6.2
52.5°	3.9
55°	2.3
57.5°	1.5
60°	1.5
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
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)