

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P886448

Luminaire Tested: ML204LSFLD2W1E-TIR1D25NFL-TL2RDSL-400LM-2700K

Issue Date: 7/18/2024

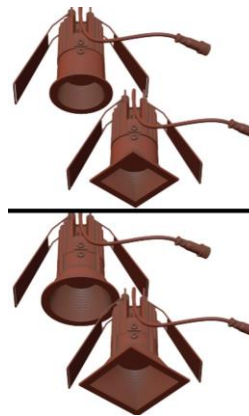
**Test Information**

Test Method: LM-79-2019  
Report Number: P886448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-72)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/18/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML204LSFLD2W1E-TIR1D25NFL-TL2RDSL-400LM-2700K  
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER TRIM  
Light Source: (1) D2W LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

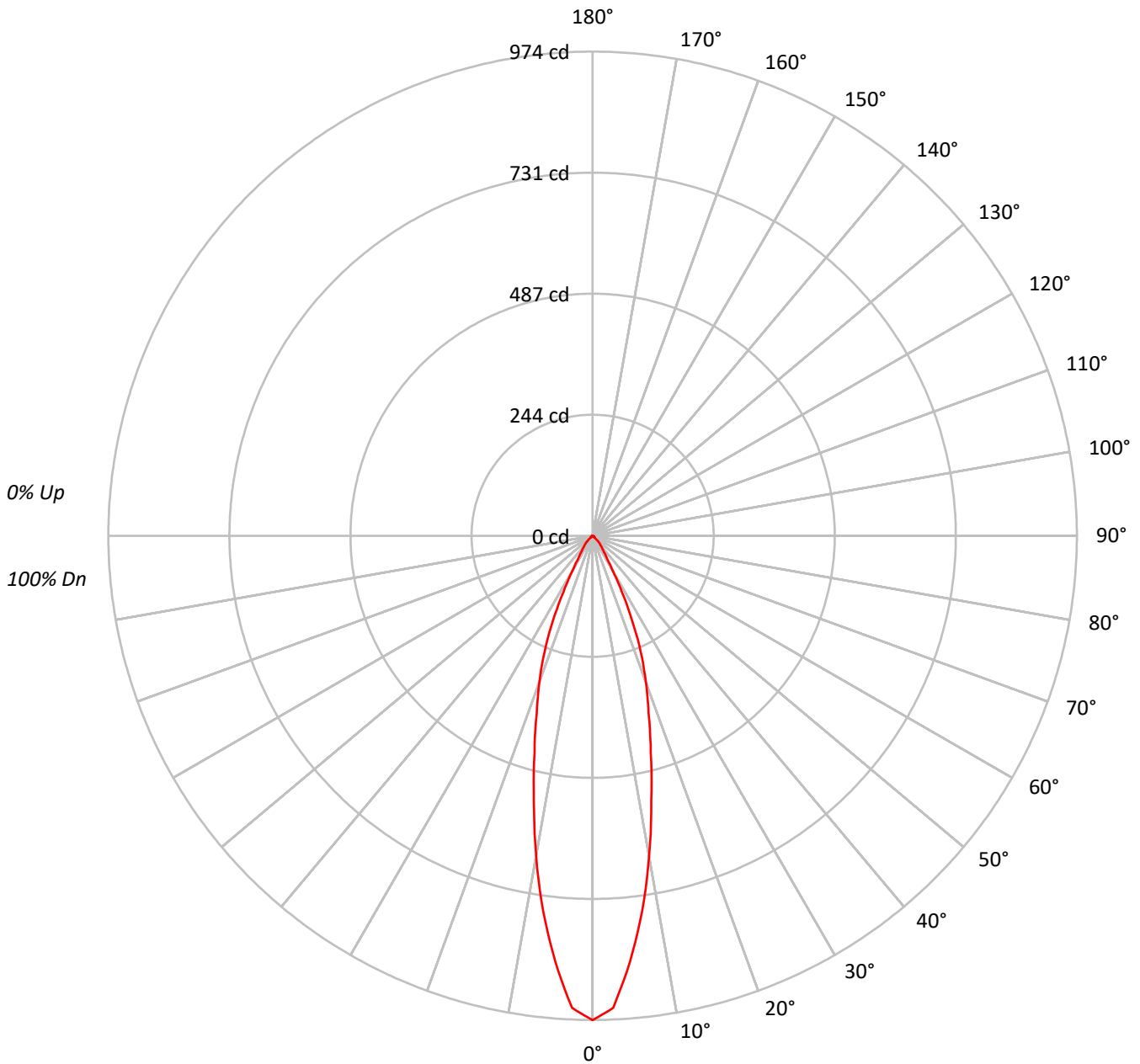
Lumens per Lamp: N/A  
Luminaire Lumens: 331.0 lumens  
Efficiency: N/A  
Efficacy: 53.4 lumens/watt  
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.53  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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				100															
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95															
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90				90															
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86				86															
4	101	95	90	86	99	94	89	86	92	88	85	90	87	84	88	85	83	82				82															
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78				78															
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74				74															
7	90	82	77	74	89	82	77	74	80	76	73	79	76	73	78	75	72	71				71															
8	87	79	74	70	86	78	74	70	77	73	70	76	73	70	75	72	70	68				68															
9	84	76	71	67	83	75	71	67	74	70	67	74	70	67	73	69	67	66				66															
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63				63															

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	480749
5°	426076
10°	327949
15°	230772
20°	164076
25°	102562
30°	45235
35°	23912
40°	16295
45°	10048
50°	3915
55°	3097
60°	2171
65°	1634
70°	1010
75°	1334
80°	1989
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10048 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.7	22.9
10°-20°	126.6	38.2
20°-30°	85.3	25.8
30°-40°	27.1	8.2
40°-50°	10.7	3.2
50°-60°	3.2	1.0
60°-70°	1.6	0.5
70°-80°	0.7	0.2
80°-90°	0.1	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°	287.6	86.9
0°-40°	314.7	95.1
0°-60°	328.6	99.3
0°-90°	331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	974	
5°	860	76
15°	452	127
25°	188	85
35°	40	27
45°	14	11
55°	4	3
65°	1	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	974.4
2.5°	950.5
5°	860.3
7.5°	762.2
10°	654.6
12.5°	545.6
15°	451.8
17.5°	374.6
20°	312.5
22.5°	253.3
25°	188.4
27.5°	127.7
30°	79.4
32.5°	52.7
35°	39.7
37.5°	31.8
40°	25.3
42.5°	20.2
45°	14.4
47.5°	6.5
50°	5.1
52.5°	4.3
55°	3.6
57.5°	2.9
60°	2.2
62.5°	2.2
65°	1.4
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)