

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: P886046

Luminaire Tested: ML104LSFLD2W1E-TIR1D55WFL-TL1RDSLb-200LM-3500K

Issue Date: 6/19/2024

Test Information

Test Method: LM-79-2019
Report Number: P886046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-134)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/19/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML104LSFLD2W1E-TIR1D55WFL-TL1RDSL B-200LM-3500K
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) D2W LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

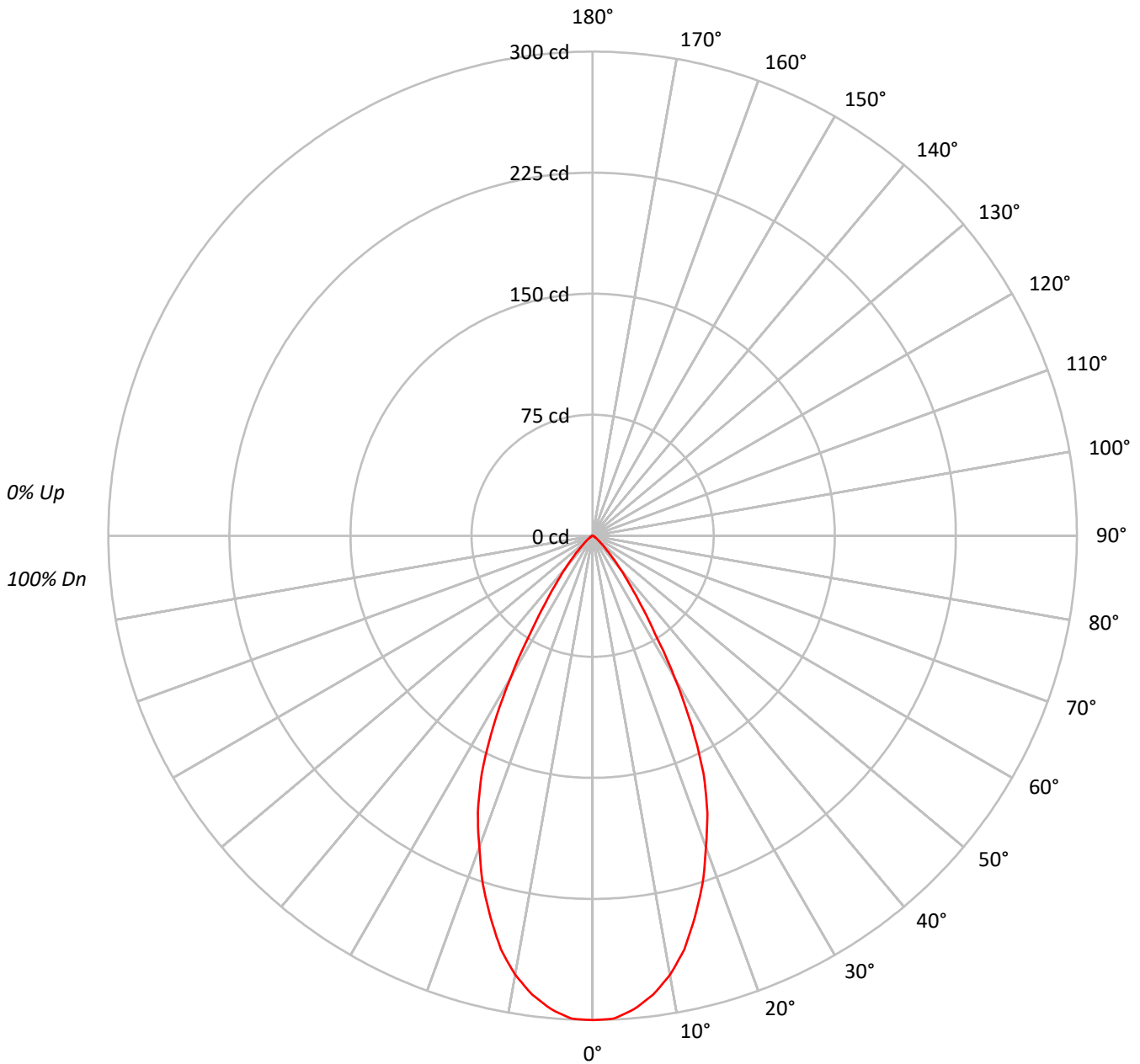
Lumens per Lamp: N/A
Luminaire Lumens: 216.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.79
Luminous Opening: Circular (Dia: 0.08' x H: 0')
CIE Type: Direct

Input Watts (W): 3.2
Input Voltage (V): NR
Input Current (A_{in}): 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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88			
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82			
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77			
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72			
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68			
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64			
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	60			
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57			
10	74	65	60	56	73	65	59	56	64	59	56	63	59	56	62	58	55	54			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	592260
5°	583428
10°	553501
15°	499757
20°	430961
25°	353854
30°	232671
35°	122872
40°	67241
45°	32376
50°	16887
55°	9634
60°	6710
65°	5137
70°	3462
75°	4575
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 32376 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	12.7
10°-20°	68.0	31.5
20°-30°	72.1	33.4
30°-40°	34.2	15.9
40°-50°	10.0	4.6
50°-60°	2.8	1.3
60°-70°	1.0	0.5
70°-80°	0.4	0.2
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°	167.6	77.6
0°-40°	201.8	93.4
0°-60°	214.6	99.4
0°-90°	216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	216.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	300	
5°	294	28
15°	245	68
25°	162	72
35°	51	34
45°	12	10
55°	3	3
65°	1	1
75°	1	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	300.1
2.5°	299.5
5°	294.5
7.5°	286.8
10°	276.2
12.5°	262.4
15°	244.6
17.5°	226.3
20°	205.2
22.5°	185.8
25°	162.5
27.5°	133.1
30°	102.1
32.5°	72.1
35°	51.0
37.5°	36.6
40°	26.1
42.5°	17.7
45°	11.6
47.5°	7.8
50°	5.5
52.5°	3.9
55°	2.8
57.5°	2.2
60°	1.7
62.5°	1.1
65°	1.1
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
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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