

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: PORTFOLIO

Report Number: P779213

Luminaire Tested: LER4D08D010-EC4DR250210IC9024-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D08D010-EC4DR250210IC9024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 613.4 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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



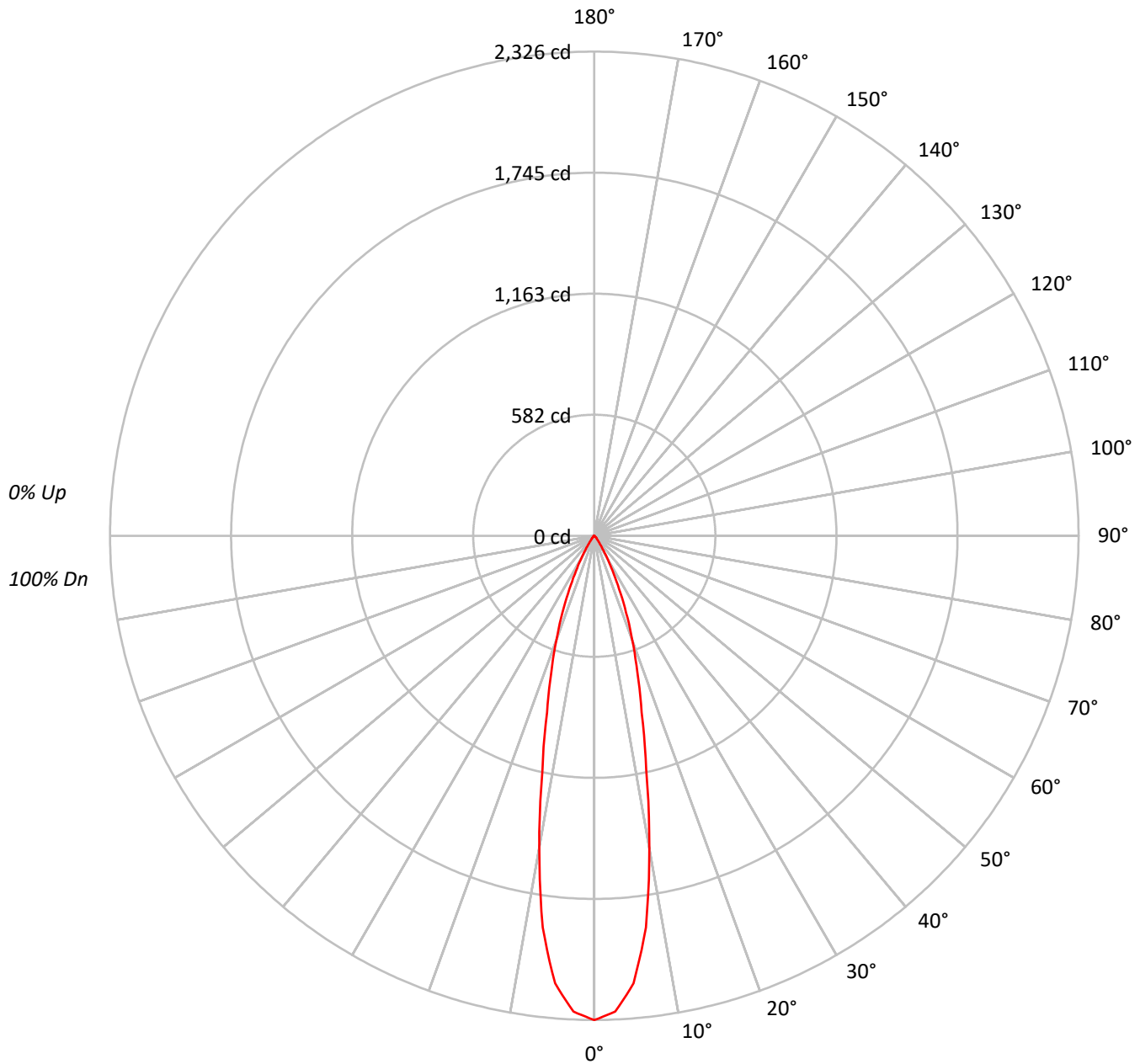
Downlight



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	254195
5°	236740
10°	168882
15°	99462
20°	61892
25°	33961
30°	15531
35°	5882
40°	2667
45°	1607
50°	663
55°	419
60°	306
65°	207
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1607 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.5	30.2
10°-20°	251.3	41.0
20°-30°	133.0	21.7
30°-40°	32.8	5.4
40°-50°	8.0	1.3
50°-60°	2.1	0.3
60°-70°	0.7	0.1
70°-80°	0.0	0.0
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°	569.7	92.9
0°-40°	602.6	98.2
0°-60°	612.7	99.9
0°-90°	613.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	613.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2326	
5°	2158	186
15°	879	251
25°	282	133
35°	44	33
45°	10	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2326.5
2.5°	2288.3
5°	2158.5
7.5°	1898.1
10°	1522.2
12.5°	1150.7
15°	879.3
17.5°	685.3
20°	532.3
22.5°	399.2
25°	281.7
27.5°	188.9
30°	123.1
32.5°	74.9
35°	44.1
37.5°	27.0
40°	18.7
42.5°	14.3
45°	10.4
47.5°	6.2
50°	3.9
52.5°	2.8
55°	2.2
57.5°	1.8
60°	1.4
62.5°	1.1
65°	0.8
67.5°	0.3
70°	0.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)