

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: P779911

Luminaire Tested: LER4D15D010-EC4DR400215IC9024-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D15D010-EC4DR400215IC9024-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1223.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



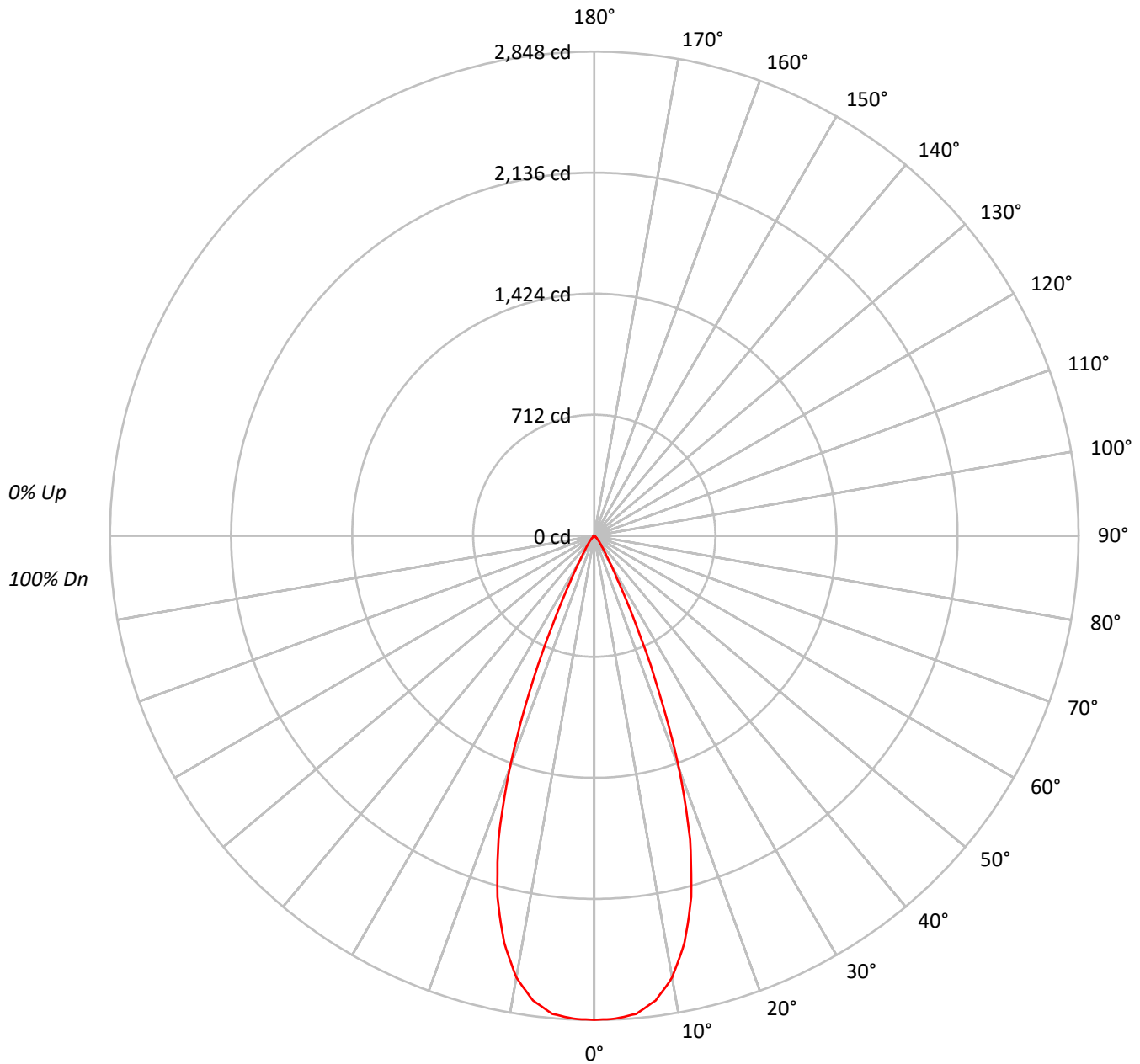
Downlight



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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	112	110	108	112	110	108	107		106	105	103		103	101	100		99	98	97
2	110	106	103	100	108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94	104	100	96	93		97	94	92		95	93	90		93	91	89
4	102	97	92	89	101	95	91	88		93	90	87		92	89	86		90	87	85
5	99	92	88	84	97	91	87	84		90	86	83		88	85	83		87	84	82
6	95	88	84	80	94	88	83	80		86	82	80		85	82	79		84	81	79
7	92	85	80	77	91	84	80	77		83	79	76		82	79	76		81	78	76
8	89	82	77	74	88	81	77	74		80	76	73		79	76	73		78	75	73
9	86	79	74	71	85	78	74	71		77	73	71		76	73	70		76	72	70
10	83	76	71	68	82	75	71	68		75	71	68		74	70	68		73	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	311120
5°	309610
10°	292643
15°	248785
20°	169561
25°	70754
30°	22243
35°	10337
40°	5719
45°	2627
50°	1275
55°	705
60°	371
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2627 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.6	21.6
10°-20°	590.5	48.3
20°-30°	295.6	24.2
30°-40°	54.2	4.4
40°-50°	14.9	1.2
50°-60°	3.5	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°	1149.7	94.0
0°-40°	1203.9	98.4
0°-60°	1222.3	99.9
0°-90°	1223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1223.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2848	
5°	2823	264
15°	2199	590
25°	587	296
35°	78	54
45°	17	15
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2847.5
2.5°	2843.3
5°	2822.9
7.5°	2757.7
10°	2637.7
12.5°	2450.7
15°	2199.4
17.5°	1872.5
20°	1458.3
22.5°	994.2
25°	586.9
27.5°	310.3
30°	176.3
32.5°	114.0
35°	77.5
37.5°	55.4
40°	40.1
42.5°	27.4
45°	17.0
47.5°	10.8
50°	7.5
52.5°	5.3
55°	3.7
57.5°	2.3
60°	1.7
62.5°	1.0
65°	0.5
67.5°	0.3
70°	0.2
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)