

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: P779930

Luminaire Tested: LER4D15D010-EC4DR400215IC9050-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779930
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-EC4DR400215IC9050-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.1 lumens
Efficiency: N/A
Efficacy: 105.1 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 (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



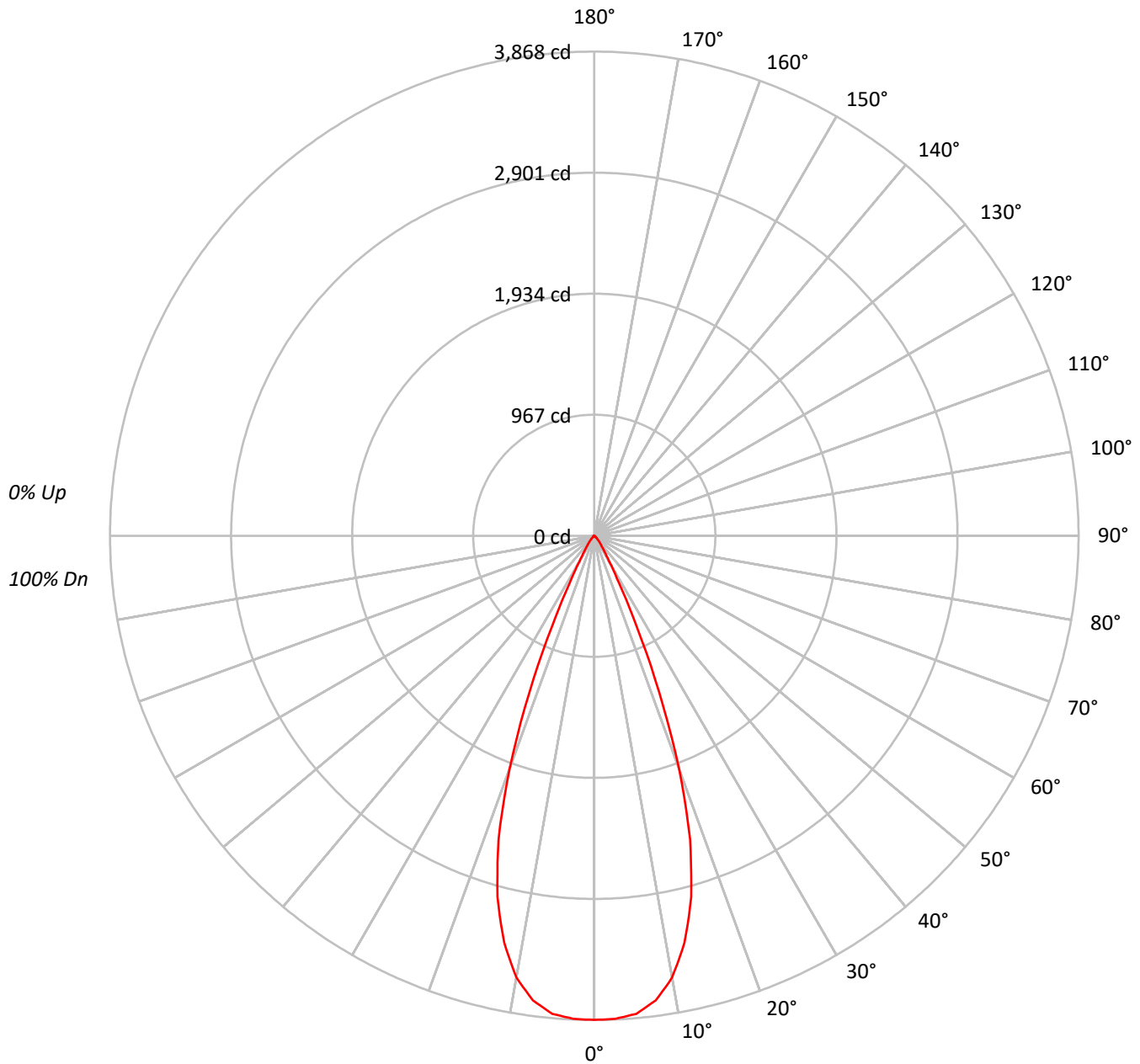
Downlight



TEST NUMBER: P779930

CATALOG NUMBER: LER4D15D010-EC4DR400215IC9050-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P779930

CATALOG NUMBER: LER4D15D010-EC4DR400215IC9050-4LBS1LI

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96		
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88		
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84		
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81		
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77		
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74		
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72		
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69		
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422566
5°	420506
10°	397465
15°	337909
20°	230302
25°	96095
30°	30216
35°	14045
40°	7759
45°	3554
50°	1717
55°	952
60°	481
65°	181
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3554 cd/sqm



TEST NUMBER: P779930

CATALOG NUMBER: LER4D15D010-EC4DR400215IC9050-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.0	21.6
10°-20°	802.0	48.3
20°-30°	401.5	24.2
30°-40°	73.6	4.4
40°-50°	20.3	1.2
50°-60°	4.8	0.3
60°-70°	0.9	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°	1561.5	94.0
0°-40°	1635.1	98.4
0°-60°	1660.1	99.9
0°-90°	1661.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3868	
5°	3834	358
15°	2987	802
25°	797	401
35°	105	74
45°	23	20
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P779930

CATALOG NUMBER: LER4D15D010-EC4DR400215IC9050-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3867.5
2.5°	3861.8
5°	3834.0
7.5°	3745.5
10°	3582.5
12.5°	3328.6
15°	2987.3
17.5°	2543.3
20°	1980.7
22.5°	1350.4
25°	797.1
27.5°	421.3
30°	239.5
32.5°	154.8
35°	105.3
37.5°	75.2
40°	54.4
42.5°	37.3
45°	23.0
47.5°	14.7
50°	10.1
52.5°	7.2
55°	5.0
57.5°	3.2
60°	2.2
62.5°	1.4
65°	0.7
67.5°	0.5
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)