

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: P779906

Luminaire Tested: LER4D15D010-EC4DR350215IC9050-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D15D010-EC4DR350215IC9050-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

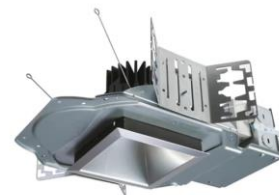
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1519.8 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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



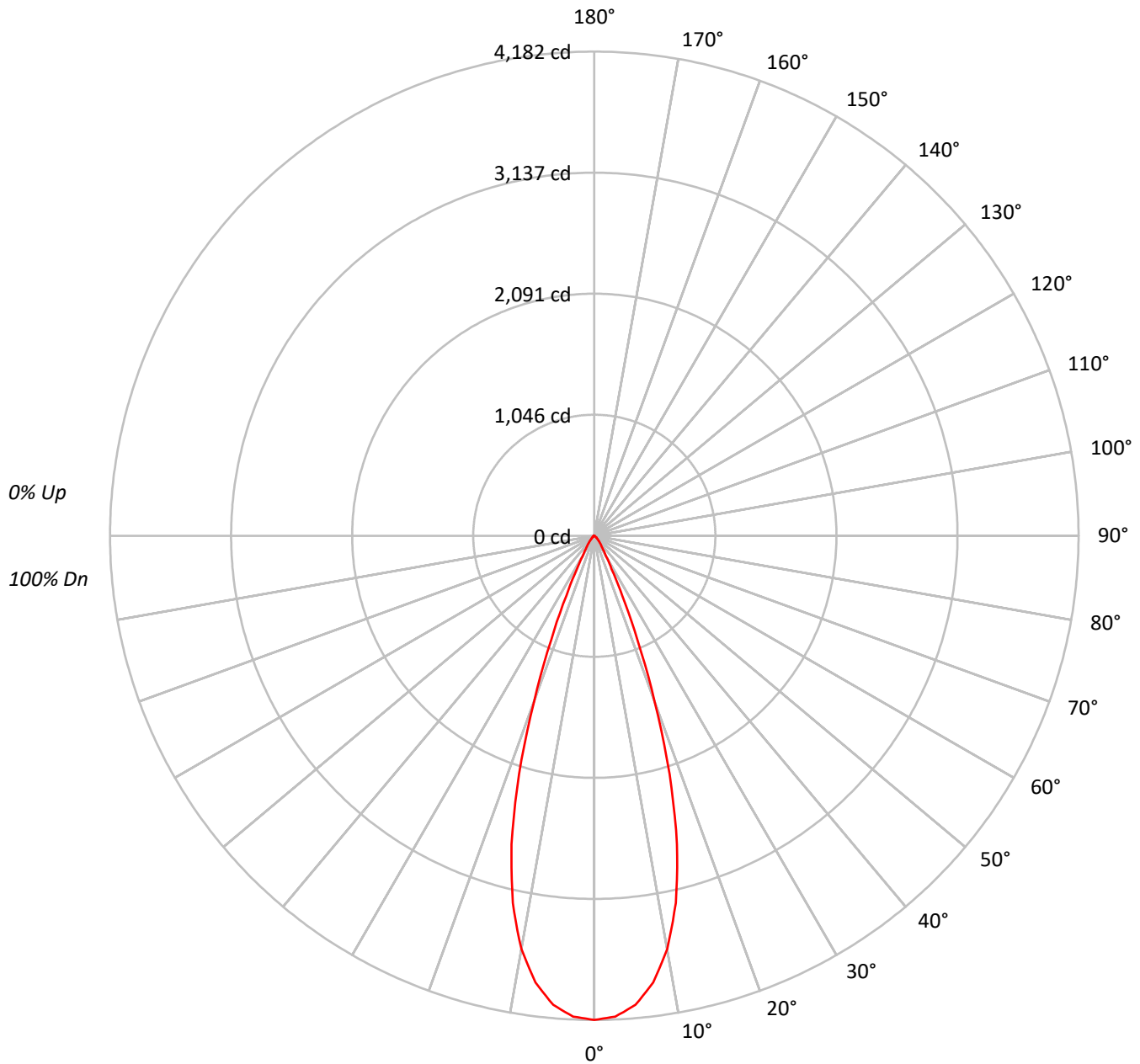
Downlight



TEST NUMBER: P779906

CATALOG NUMBER: LER4D15D010-EC4DR350215IC9050-4LBS1LI

Luminous Intensity Polar Plot



TEST NUMBER: P779906

CATALOG NUMBER: LER4D15D010-EC4DR350215IC9050-4LBS1LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	456907
5°	446171
10°	402114
15°	312107
20°	177025
25°	68874
30°	25687
35°	14085
40°	9200
45°	5609
50°	3570
55°	2514
60°	1836
65°	1008
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5609 cd/sqm



TEST NUMBER: P779906

CATALOG NUMBER: LER4D15D010-EC4DR350215IC9050-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.1	24.6
10°-20°	730.5	48.1
20°-30°	297.9	19.6
30°-40°	71.3	4.7
40°-50°	29.7	2.0
50°-60°	12.3	0.8
60°-70°	3.8	0.3
70°-80°	0.1	0.0
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°	1402.5	92.3
0°-40°	1473.8	97.0
0°-60°	1515.8	99.7
0°-90°	1519.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4182	
5°	4068	374
15°	2759	730
25°	571	298
35°	106	71
45°	36	30
55°	13	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P779906

CATALOG NUMBER: LER4D15D010-EC4DR350215IC9050-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4181.8
2.5°	4156.8
5°	4068.0
7.5°	3891.0
10°	3624.4
12.5°	3249.1
15°	2759.2
17.5°	2160.1
20°	1522.5
22.5°	970.8
25°	571.3
27.5°	322.9
30°	203.6
32.5°	143.0
35°	105.6
37.5°	81.6
40°	64.5
42.5°	49.7
45°	36.3
47.5°	27.2
50°	21.0
52.5°	16.7
55°	13.2
57.5°	10.7
60°	8.4
62.5°	6.1
65°	3.9
67.5°	1.4
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)