

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: P779584

Luminaire Tested: LER4D10D010-EC4DR350210IC9035-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779584
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: LER4D10D010-EC4DR350210IC9035-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 986.9 lumens
Efficiency: N/A
Efficacy: 84.3 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): 11.7
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



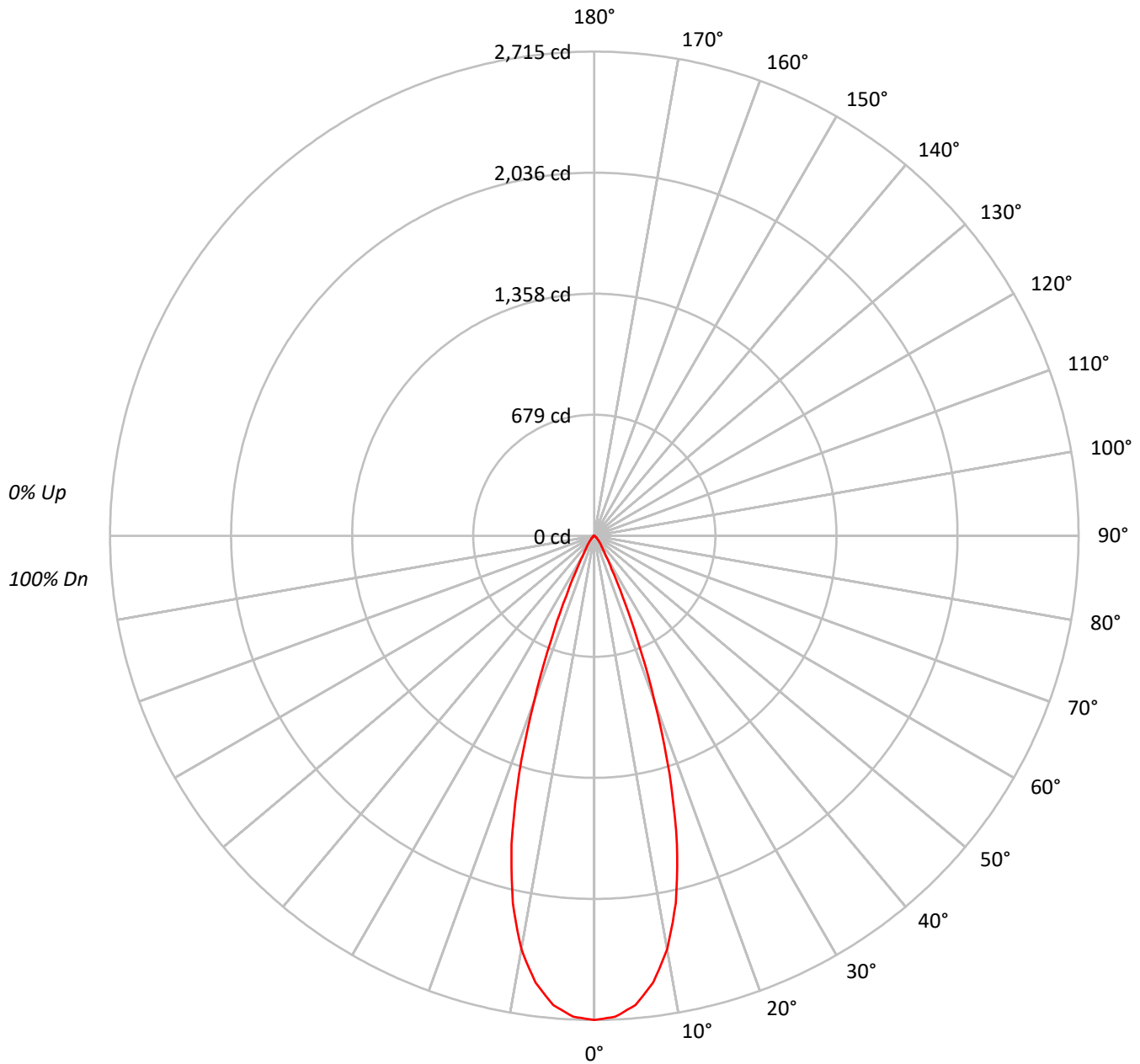
Downlight



TEST NUMBER: P779584

CATALOG NUMBER: LER4D10D010-EC4DR350210IC9035-4LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P779584

CATALOG NUMBER: LER4D10D010-EC4DR350210IC9035-4LBS1B

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	98
2	110	106	103	101	108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94	105	100	96	93		97	95	92		95	93	91		93	91	89
4	103	97	92	89	101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85	98	92	87	84		90	86	84		89	85	83		87	84	82
6	96	89	84	81	94	88	84	81		87	83	80		85	82	80		84	81	79
7	93	85	81	78	91	85	80	77		84	80	77		83	79	77		82	79	76
8	90	82	78	74	88	82	77	74		81	77	74		80	76	74		79	76	73
9	87	79	75	72	86	79	75	72		78	74	71		77	74	71		77	73	71
10	84	77	72	69	83	76	72	69		76	72	69		75	71	69		74	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296676
5°	289704
10°	261112
15°	202657
20°	114947
25°	44714
30°	16679
35°	9150
40°	5976
45°	3631
50°	2312
55°	1638
60°	1202
65°	646
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3631 cd/sqm



TEST NUMBER: P779584

CATALOG NUMBER: LER4D10D010-EC4DR350210IC9035-4LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	24.6
10°-20°	474.3	48.1
20°-30°	193.4	19.6
30°-40°	46.3	4.7
40°-50°	19.3	2.0
50°-60°	8.0	0.8
60°-70°	2.5	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°	910.7	92.3
0°-40°	957.0	97.0
0°-60°	984.2	99.7
0°-90°	986.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2715	
5°	2641	243
15°	1792	474
25°	371	193
35°	69	46
45°	24	19
55°	9	8
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P779584

CATALOG NUMBER: LER4D10D010-EC4DR350210IC9035-4LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	2715.3
2.5°	2699.1
5°	2641.4
7.5°	2526.5
10°	2353.5
12.5°	2109.7
15°	1791.6
17.5°	1402.6
20°	988.6
22.5°	630.4
25°	370.9
27.5°	209.7
30°	132.2
32.5°	92.8
35°	68.6
37.5°	53.0
40°	41.9
42.5°	32.3
45°	23.5
47.5°	17.6
50°	13.6
52.5°	10.8
55°	8.6
57.5°	6.9
60°	5.5
62.5°	4.0
65°	2.5
67.5°	0.9
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)