

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: P785214

Luminaire Tested: LER4DD50D010-EC4DR5040509024-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P785214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD50D010-EC4DR5040509024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4516.9 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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

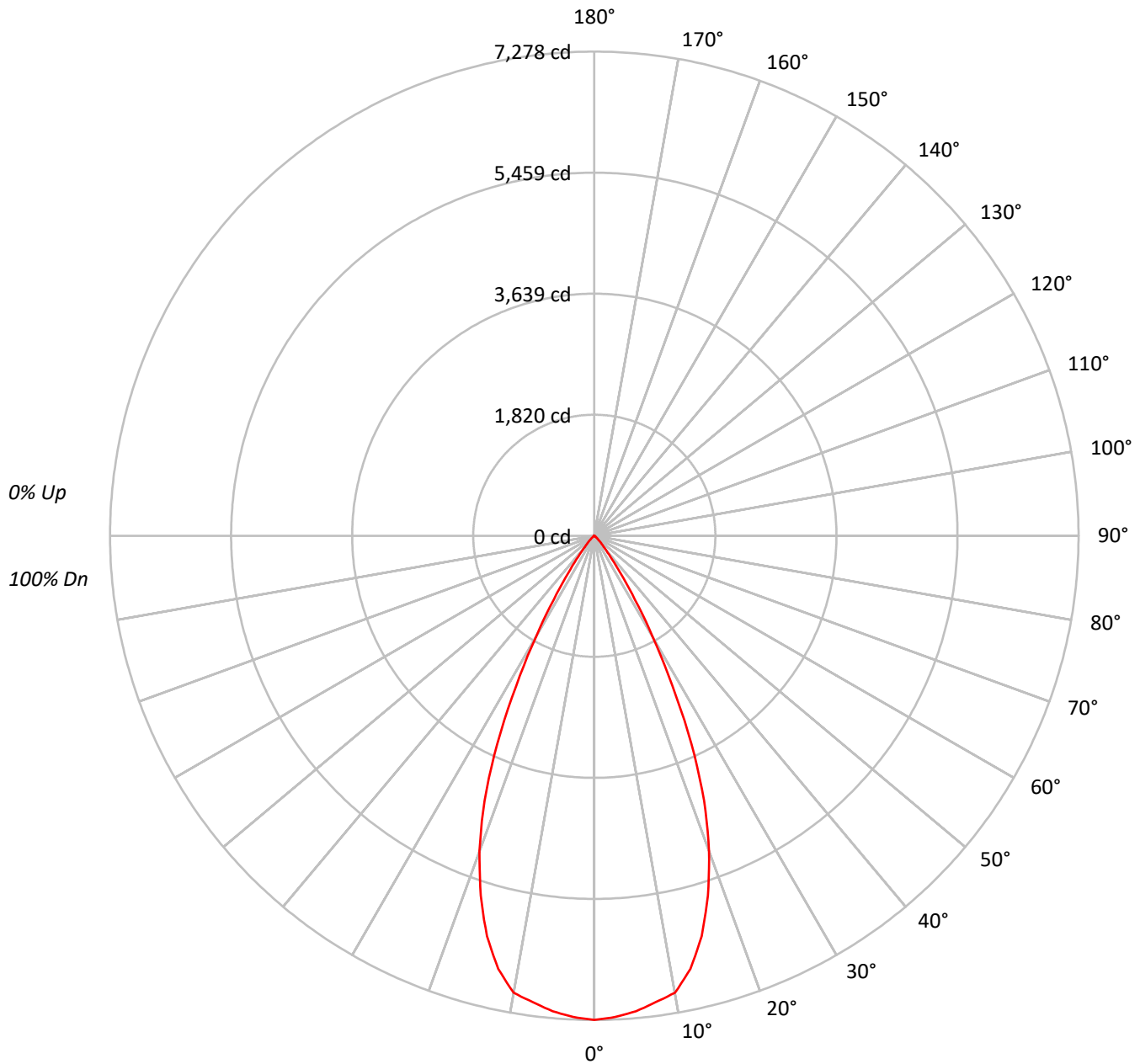


Downlight

TEST NUMBER: P785214

CATALOG NUMBER: LER4DD50D010-EC4DR5040509024-4LBDP1LI

Luminous Intensity Polar Plot



TEST NUMBER: P785214

CATALOG NUMBER: LER4DD50D010-EC4DR5040509024-4LBDP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80		
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76		
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72		
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69		
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65		
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62		
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	795189
5°	786853
10°	773895
15°	704695
20°	586387
25°	416243
30°	220319
35°	89780
40°	33347
45°	15266
50°	6255
55°	3276
60°	1617
65°	465
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15266 cd/sqm



TEST NUMBER: P785214

CATALOG NUMBER: LER4DD50D010-EC4DR5040509024-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.1	15.0
10°-20°	1713.7	37.9
20°-30°	1539.4	34.1
30°-40°	482.0	10.7
40°-50°	84.4	1.9
50°-60°	16.8	0.4
60°-70°	2.5	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°	3931.2	87.0
0°-40°	4413.2	97.7
0°-60°	4514.4	99.9
0°-90°	4516.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4516.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7278	
5°	7174	678
15°	6230	1714
25°	3453	1539
35°	673	482
45°	99	84
55°	17	17
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P785214

CATALOG NUMBER: LER4DD50D010-EC4DR5040509024-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	7277.9
2.5°	7241.7
5°	7174.2
7.5°	7071.1
10°	6975.4
12.5°	6668.6
15°	6229.9
17.5°	5672.7
20°	5043.2
22.5°	4314.8
25°	3452.7
27.5°	2538.5
30°	1746.3
32.5°	1137.0
35°	673.1
37.5°	386.6
40°	233.8
42.5°	152.2
45°	98.8
47.5°	60.1
50°	36.8
52.5°	25.2
55°	17.2
57.5°	11.7
60°	7.4
62.5°	4.3
65°	1.8
67.5°	0.6
70°	0.0
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)