

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: P784901

Luminaire Tested: LER4DD45BD010-EC4DR3540509024-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784901
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: LER4DD45BD010-EC4DR3540509024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3372.7 lumens
Efficiency: N/A
Efficacy: 87.2 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): 38.7
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

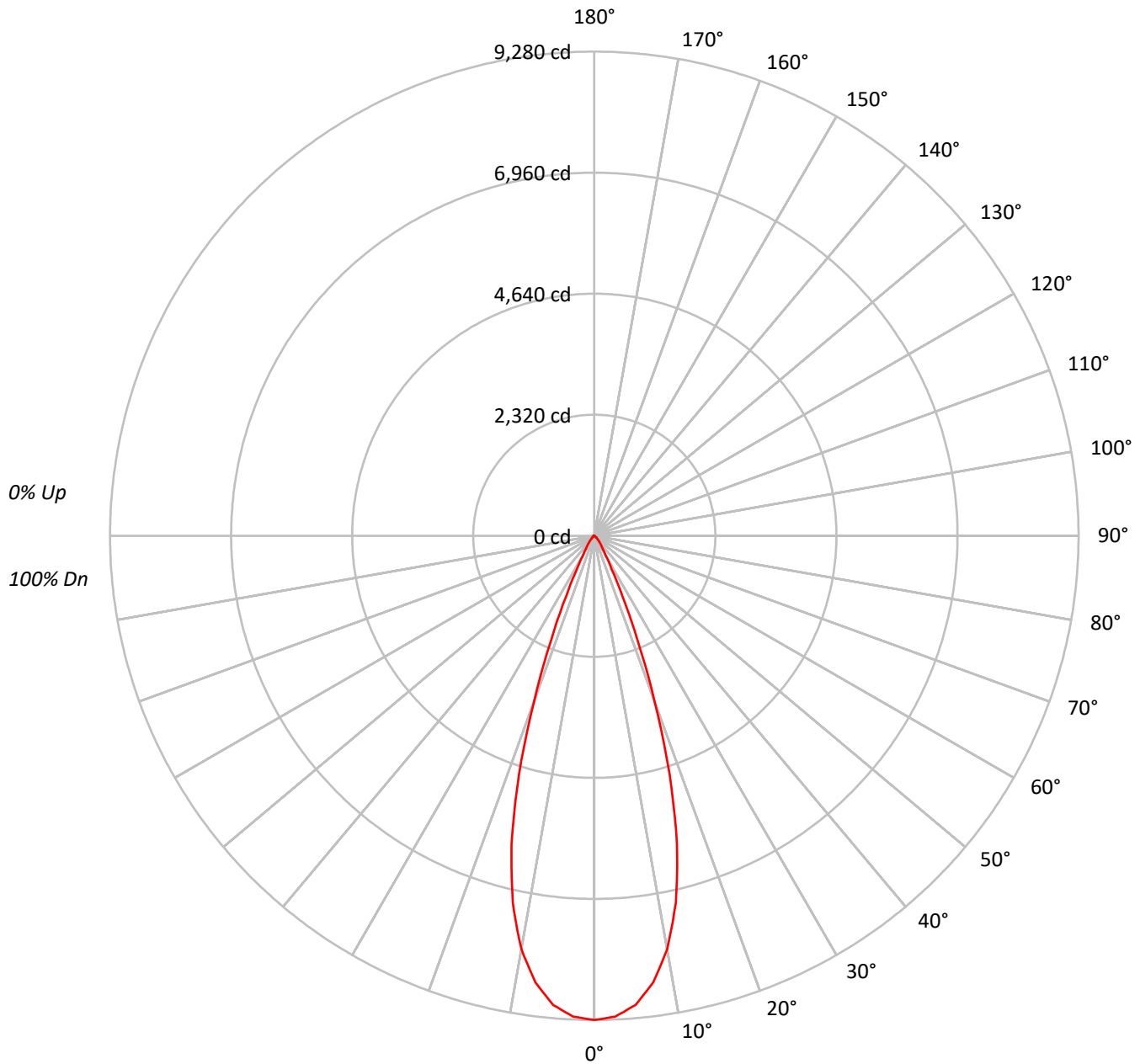


Downlight

TEST NUMBER: P784901

CATALOG NUMBER: LER4DD45BD010-EC4DR3540509024-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P784901

CATALOG NUMBER: LER4DD45BD010-EC4DR3540509024-4LBDP1H

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°	1013940
5°	990119
10°	892352
15°	692615
20°	392840
25°	152829
30°	57013
35°	31252
40°	20425
45°	12439
50°	7921
55°	5600
60°	4086
65°	2223
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12439 cd/sqm



TEST NUMBER: P784901

CATALOG NUMBER: LER4DD45BD010-EC4DR3540509024-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	830.3	24.6
10°-20°	1621.0	48.1
20°-30°	661.1	19.6
30°-40°	158.2	4.7
40°-50°	65.9	2.0
50°-60°	27.3	0.8
60°-70°	8.5	0.3
70°-80°	0.2	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°	3112.4	92.3
0°-40°	3270.6	97.0
0°-60°	3363.8	99.7
0°-90°	3372.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3372.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9280	
5°	9028	830
15°	6123	1621
25°	1268	661
35°	234	158
45°	80	66
55°	29	27
65°	9	9
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P784901

CATALOG NUMBER: LER4DD45BD010-EC4DR3540509024-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	9280.0
2.5°	9224.3
5°	9027.5
7.5°	8634.8
10°	8043.1
12.5°	7210.1
15°	6123.1
17.5°	4793.6
20°	3378.6
22.5°	2154.4
25°	1267.7
27.5°	716.6
30°	451.9
32.5°	317.3
35°	234.3
37.5°	181.2
40°	143.2
42.5°	110.3
45°	80.5
47.5°	60.2
50°	46.6
52.5°	36.9
55°	29.4
57.5°	23.8
60°	18.7
62.5°	13.7
65°	8.6
67.5°	3.0
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)