

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: P784666

Luminaire Tested: LER4DD40BD010-EC4DR3540509027-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784666
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: LER4DD40BD010-EC4DR3540509027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3662.2 lumens
Efficiency: N/A
Efficacy: 104.0 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): 35.2
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

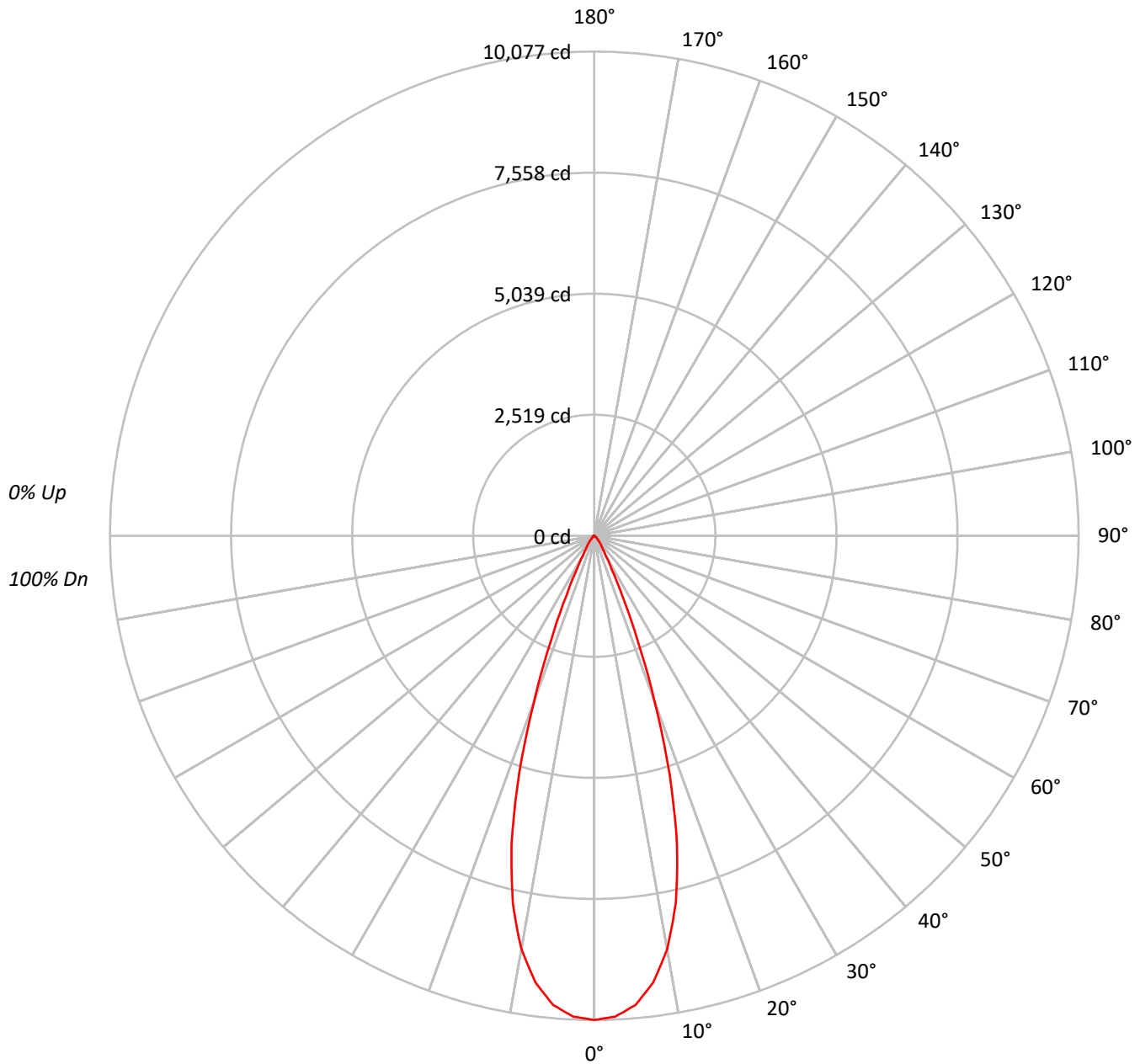


Downlight

TEST NUMBER: P784666

CATALOG NUMBER: LER4DD40BD010-EC4DR3540509027-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P784666

CATALOG NUMBER: LER4DD40BD010-EC4DR3540509027-4LBDP1LI

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°	1100977
5°	1075109
10°	968960
15°	752068
20°	426559
25°	165957
30°	61908
35°	33933
40°	22179
45°	13505
50°	8601
55°	6077
60°	4436
65°	2404
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13505 cd/sqm



TEST NUMBER: P784666

CATALOG NUMBER: LER4DD40BD010-EC4DR3540509027-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.5	24.6
10°-20°	1760.2	48.1
20°-30°	717.9	19.6
30°-40°	171.8	4.7
40°-50°	71.6	2.0
50°-60°	29.6	0.8
60°-70°	9.2	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°	3379.6	92.3
0°-40°	3551.4	97.0
0°-60°	3652.6	99.7
0°-90°	3662.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3662.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10077	
5°	9802	902
15°	6649	1760
25°	1377	718
35°	254	172
45°	87	72
55°	32	30
65°	9	9
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P784666

CATALOG NUMBER: LER4DD40BD010-EC4DR3540509027-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	10076.6
2.5°	10016.2
5°	9802.4
7.5°	9376.0
10°	8733.6
12.5°	7829.1
15°	6648.7
17.5°	5205.1
20°	3668.6
22.5°	2339.3
25°	1376.6
27.5°	778.1
30°	490.7
32.5°	344.6
35°	254.4
37.5°	196.7
40°	155.5
42.5°	119.8
45°	87.4
47.5°	65.4
50°	50.6
52.5°	40.1
55°	31.9
57.5°	25.8
60°	20.3
62.5°	14.8
65°	9.3
67.5°	3.3
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)