

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: P784422

Luminaire Tested: LER4DD35BD010-EC4DR3520359024-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784422
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: LER4DD35BD010-EC4DR3520359024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 2746.3 lumens
Efficiency: N/A
Efficacy: 89.2 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): 30.8
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

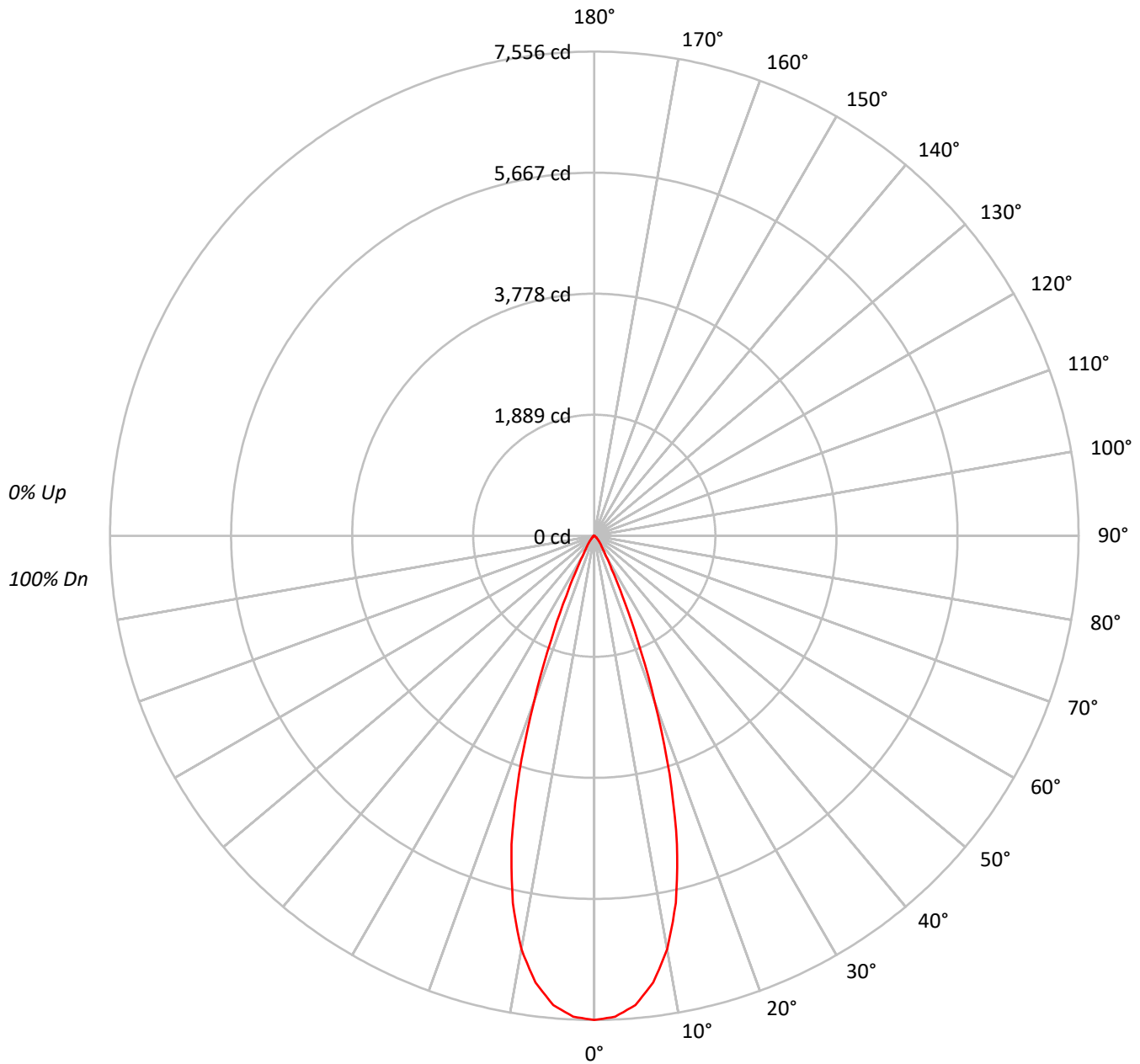


Downlight

TEST NUMBER: P784422

CATALOG NUMBER: LER4DD35BD010-EC4DR3520359024-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P784422

CATALOG NUMBER: LER4DD35BD010-EC4DR3520359024-4LBDP1LI

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°	825618
5°	806222
10°	726620
15°	563969
20°	319878
25°	124450
30°	46428
35°	25449
40°	16631
45°	10121
50°	6442
55°	4553
60°	3322
65°	1810
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10121 cd/sqm



TEST NUMBER: P784422

CATALOG NUMBER: LER4DD35BD010-EC4DR3520359024-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.1	24.6
10°-20°	1320.0	48.1
20°-30°	538.3	19.6
30°-40°	128.8	4.7
40°-50°	53.7	2.0
50°-60°	22.2	0.8
60°-70°	6.9	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°	2534.3	92.3
0°-40°	2663.2	97.0
0°-60°	2739.1	99.7
0°-90°	2746.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2746.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7556	
5°	7351	676
15°	4986	1320
25°	1032	538
35°	191	129
45°	66	54
55°	24	22
65°	7	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P784422

CATALOG NUMBER: LER4DD35BD010-EC4DR3520359024-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	7556.4
2.5°	7511.1
5°	7350.8
7.5°	7031.0
10°	6549.3
12.5°	5871.0
15°	4985.8
17.5°	3903.3
20°	2751.1
22.5°	1754.2
25°	1032.3
27.5°	583.5
30°	368.0
32.5°	258.4
35°	190.8
37.5°	147.5
40°	116.6
42.5°	89.8
45°	65.5
47.5°	49.0
50°	37.9
52.5°	30.1
55°	23.9
57.5°	19.4
60°	15.2
62.5°	11.1
65°	7.0
67.5°	2.5
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)