

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: P784431

Luminaire Tested: LER4DD35BD010-EC4DR3520359030-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784431
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-EC4DR3520359030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2862.3 lumens
Efficiency: N/A
Efficacy: 92.9 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

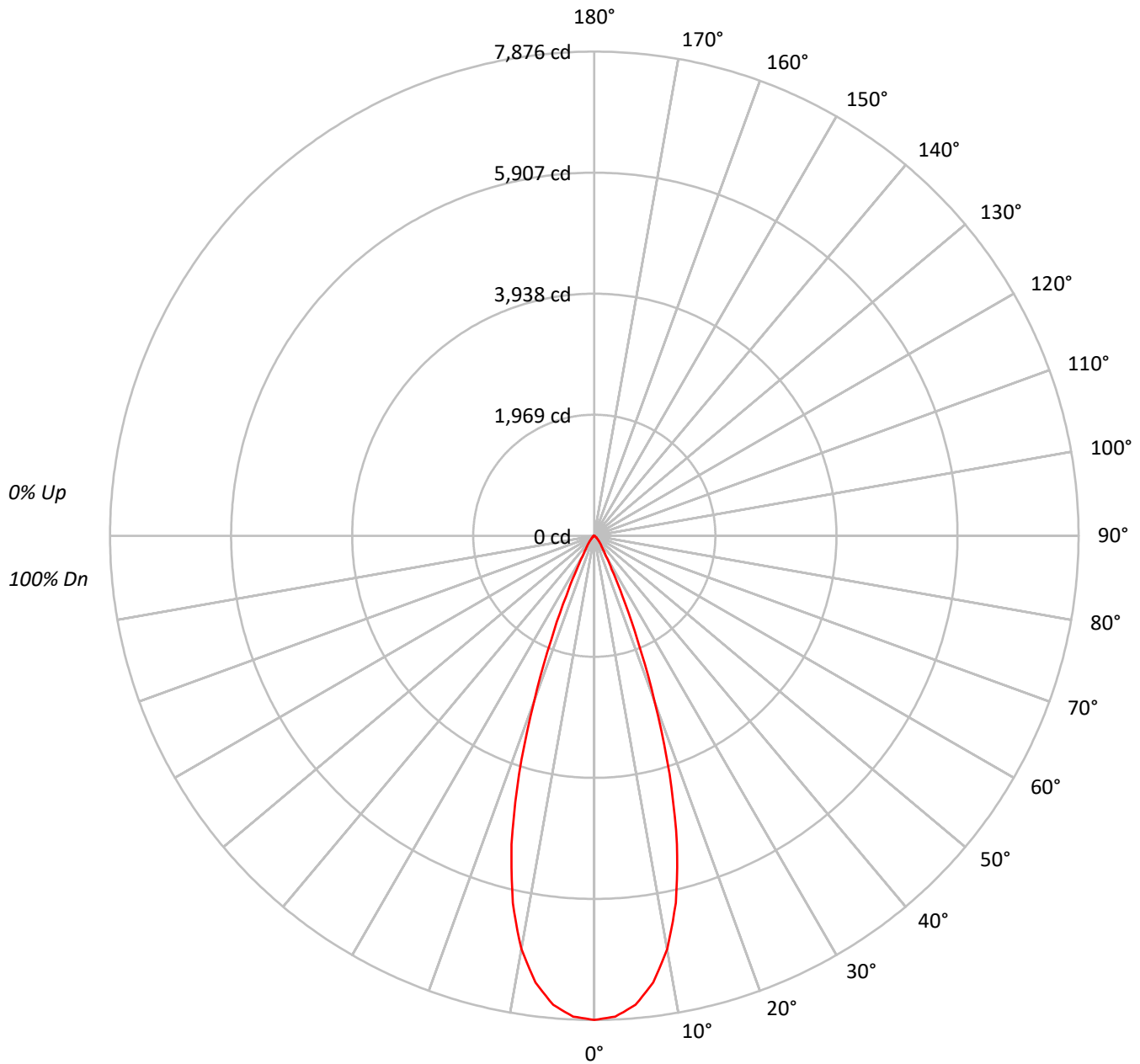


Downlight

TEST NUMBER: P784431

CATALOG NUMBER: LER4DD35BD010-EC4DR3520359030-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P784431

CATALOG NUMBER: LER4DD35BD010-EC4DR3520359030-4LBDP1MW

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°	860494
5°	840266
10°	757308
15°	587791
20°	333389
25°	129706
30°	48384
35°	26530
40°	17330
45°	10554
50°	6714
55°	4743
60°	3474
65°	1887
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10554 cd/sqm



TEST NUMBER: P784431

CATALOG NUMBER: LER4DD35BD010-EC4DR3520359030-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.6	24.6
10°-20°	1375.7	48.1
20°-30°	561.1	19.6
30°-40°	134.3	4.7
40°-50°	55.9	2.0
50°-60°	23.2	0.8
60°-70°	7.3	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°	2641.4	92.3
0°-40°	2775.6	97.0
0°-60°	2854.8	99.7
0°-90°	2862.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7876	
5°	7661	705
15°	5196	1376
25°	1076	561
35°	199	134
45°	68	56
55°	25	23
65°	7	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P784431

CATALOG NUMBER: LER4DD35BD010-EC4DR3520359030-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7875.6
2.5°	7828.3
5°	7661.2
7.5°	7328.0
10°	6825.9
12.5°	6118.9
15°	5196.4
17.5°	4068.1
20°	2867.3
22.5°	1828.3
25°	1075.9
27.5°	608.2
30°	383.5
32.5°	269.3
35°	198.9
37.5°	153.8
40°	121.5
42.5°	93.6
45°	68.3
47.5°	51.1
50°	39.5
52.5°	31.4
55°	24.9
57.5°	20.2
60°	15.9
62.5°	11.6
65°	7.3
67.5°	2.6
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)