

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: P784579

Luminaire Tested: LER4DD35BD010-EC4DR6520359035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR6520359035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2441.4 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

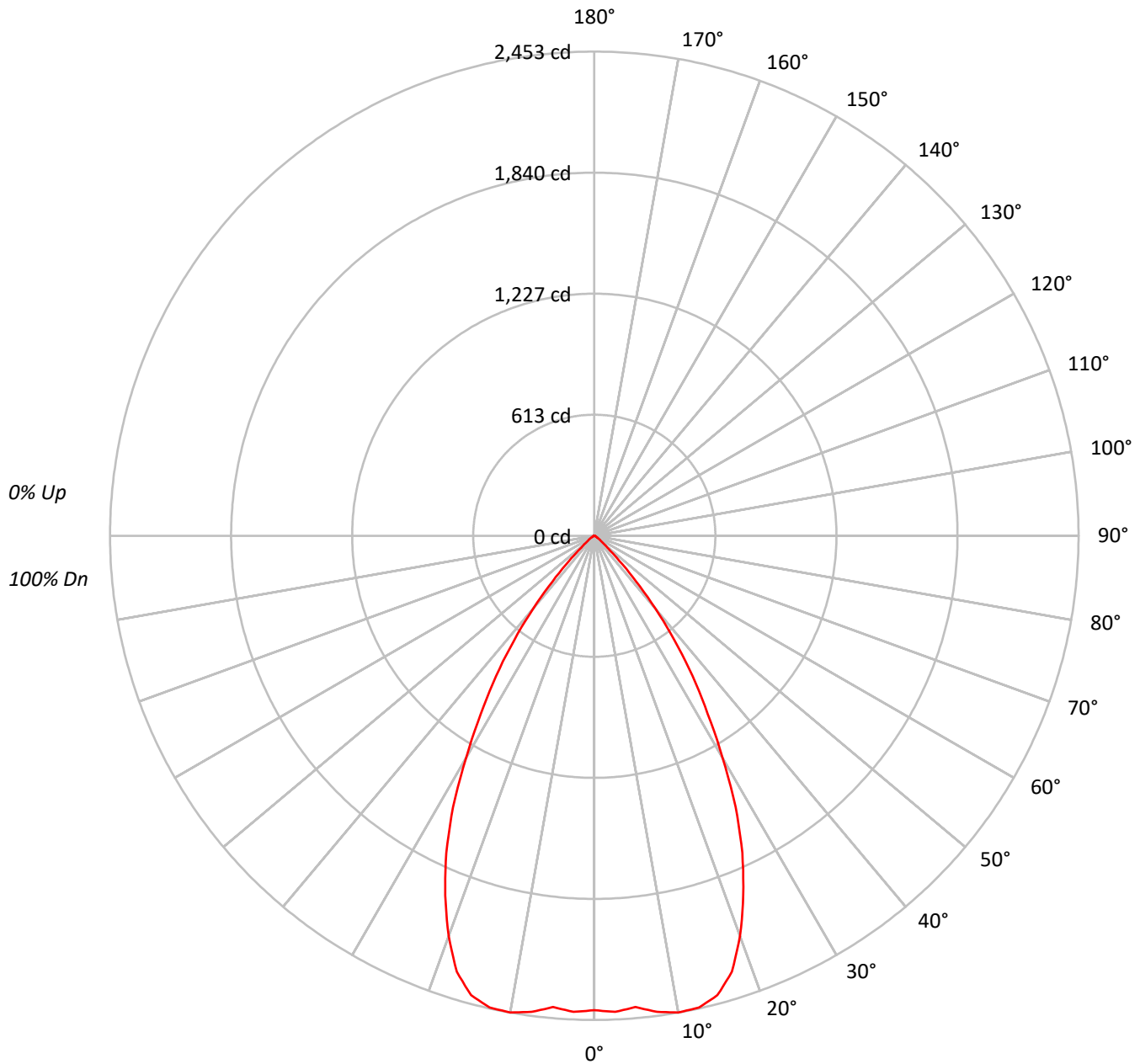


Downlight

TEST NUMBER: P784579

CATALOG NUMBER: LER4DD35BD010-EC4DR6520359035-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P784579

CATALOG NUMBER: LER4DD35BD010-EC4DR6520359035-4LBDP1MW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	262630
5°	262855
10°	272107
15°	272562
20°	250928
25°	213806
30°	163672
35°	115630
40°	68263
45°	27705
50°	10046
55°	5600
60°	3212
65°	1758
70°	1853
75°	1435
80°	1510
85°	1254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27705 cd/sqm



TEST NUMBER: P784579

CATALOG NUMBER: LER4DD35BD010-EC4DR6520359035-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	9.5
10°-20°	667.7	27.3
20°-30°	801.1	32.8
30°-40°	538.3	22.0
40°-50°	161.2	6.6
50°-60°	28.5	1.2
60°-70°	8.1	0.3
70°-80°	4.0	0.2
80°-90°	1.3	0.1
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°	1700.2	69.6
0°-40°	2238.5	91.7
0°-60°	2428.1	99.5
0°-90°	2441.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2441.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2404	
5°	2397	231
15°	2410	668
25°	1774	801
35°	867	538
45°	179	161
55°	29	28
65°	7	8
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P784579

CATALOG NUMBER: LER4DD35BD010-EC4DR6520359035-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2403.7
2.5°	2414.0
5°	2396.6
7.5°	2432.8
10°	2452.6
12.5°	2447.8
15°	2409.6
17.5°	2316.0
20°	2158.1
22.5°	1972.3
25°	1773.5
27.5°	1549.1
30°	1297.3
32.5°	1069.2
35°	866.9
37.5°	667.1
40°	478.6
42.5°	312.6
45°	179.3
47.5°	95.0
50°	59.1
52.5°	41.0
55°	29.4
57.5°	21.2
60°	14.7
62.5°	9.6
65°	6.8
67.5°	6.1
70°	5.8
72.5°	4.4
75°	3.4
77.5°	3.1
80°	2.4
82.5°	1.7
85°	1.0
87.5°	0.7
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)