

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: P784807

Luminaire Tested: LER4DD40BD010-EC4DR6540509024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784807
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: LER4DD40BD010-EC4DR6540509024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2437.0 lumens
Efficiency: N/A
Efficacy: 69.2 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): 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

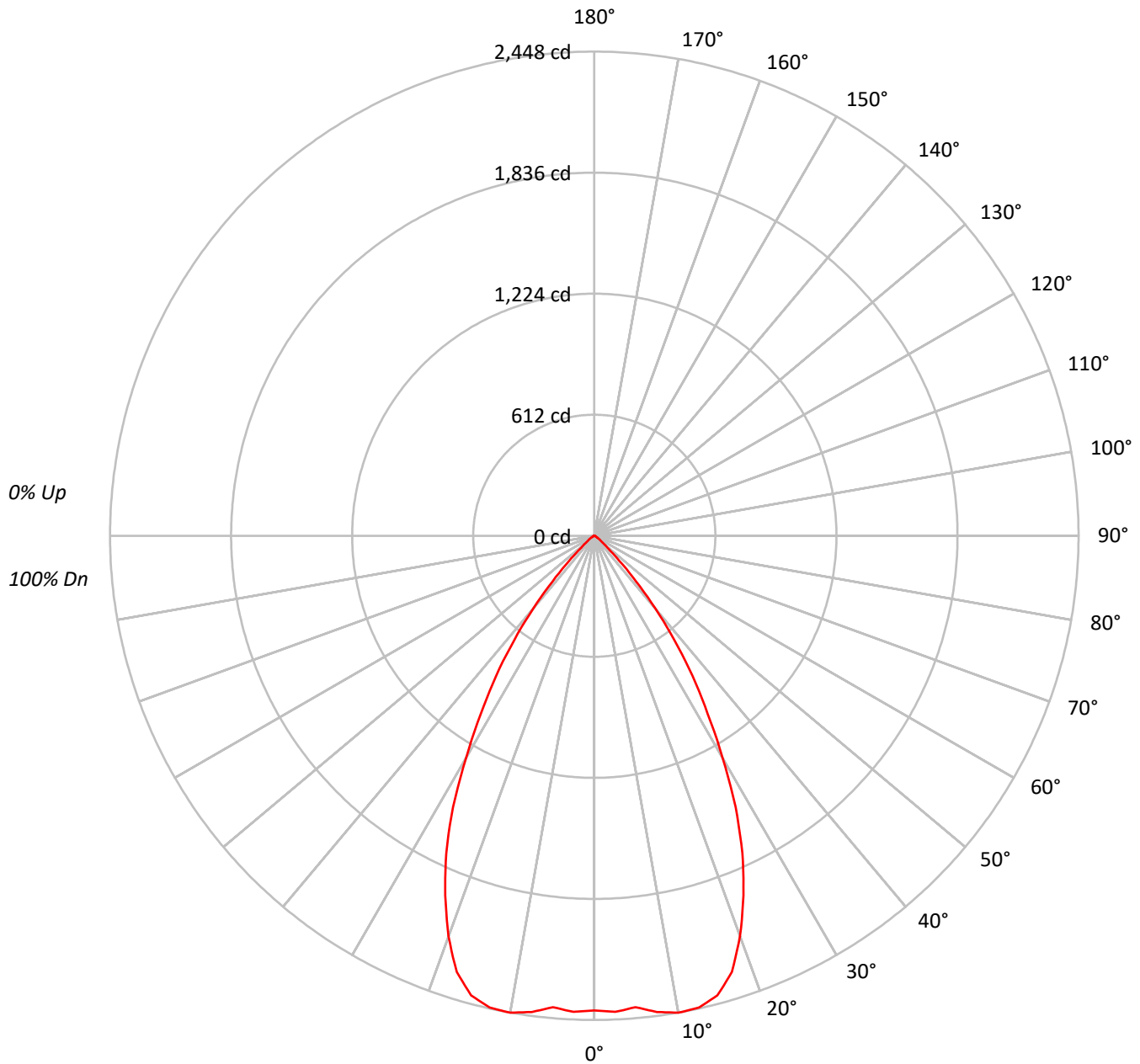


Downlight

TEST NUMBER: P784807

CATALOG NUMBER: LER4DD40BD010-EC4DR6540509024-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P784807

CATALOG NUMBER: LER4DD40BD010-EC4DR6540509024-4LBDP1MW

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°	262171
5°	262383
10°	271619
15°	272076
20°	250487
25°	213432
30°	163382
35°	115429
40°	68134
45°	27659
50°	10029
55°	5581
60°	3212
65°	1758
70°	1853
75°	1435
80°	1510
85°	1254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27659 cd/sqm



TEST NUMBER: P784807

CATALOG NUMBER: LER4DD40BD010-EC4DR6540509024-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.0	9.5
10°-20°	666.5	27.3
20°-30°	799.6	32.8
30°-40°	537.4	22.1
40°-50°	160.9	6.6
50°-60°	28.4	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°	1697.2	69.6
0°-40°	2234.5	91.7
0°-60°	2423.8	99.5
0°-90°	2437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2437.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2400	
5°	2392	231
15°	2405	666
25°	1770	800
35°	865	537
45°	179	161
55°	29	28
65°	7	8
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P784807

CATALOG NUMBER: LER4DD40BD010-EC4DR6540509024-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2399.5
2.5°	2409.7
5°	2392.3
7.5°	2428.5
10°	2448.2
12.5°	2443.5
15°	2405.3
17.5°	2311.8
20°	2154.3
22.5°	1968.8
25°	1770.4
27.5°	1546.3
30°	1295.0
32.5°	1067.3
35°	865.4
37.5°	665.9
40°	477.7
42.5°	312.0
45°	179.0
47.5°	94.8
50°	59.0
52.5°	40.9
55°	29.3
57.5°	21.1
60°	14.7
62.5°	9.5
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





— 0°-180°







(END OF REPORT)