

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: P784514

Luminaire Tested: LER4DD35BD010-EC4DR5020359050-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR5020359050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3708.2 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

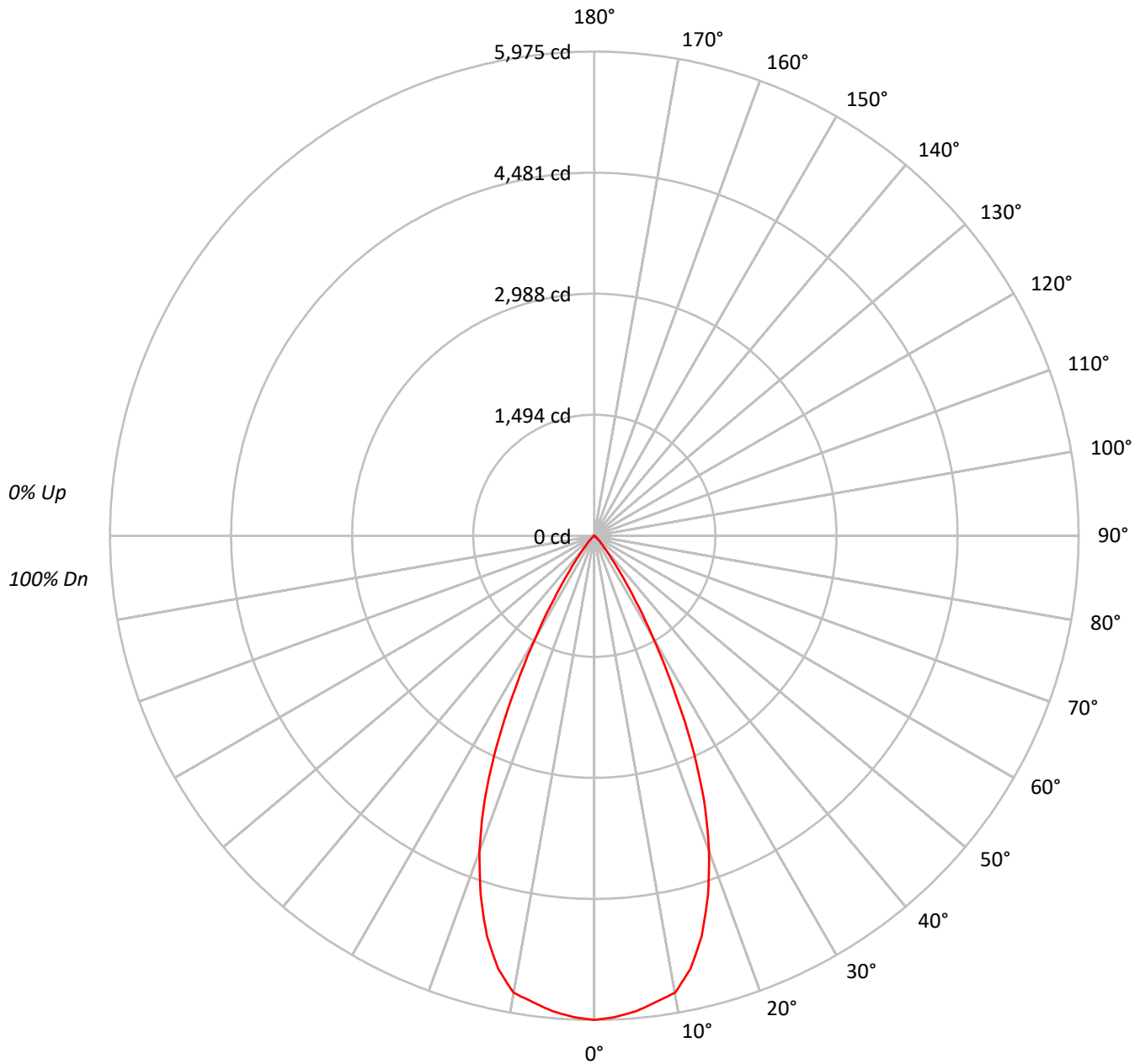


Downlight

TEST NUMBER: P784514

CATALOG NUMBER: LER4DD35BD010-EC4DR5020359050-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P784514

CATALOG NUMBER: LER4DD35BD010-EC4DR5020359050-4LBDP1LI

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	109	107		112	110	108	106		106	104	102		102	101	99		98	97	97
2	109	105	101	98		107	103	100	97		100	98	95		97	95	93		95	93	91
3	105	99	95	91		103	98	94	90		95	92	89		93	90	88		91	88	86
4	100	94	89	85		99	93	88	85		90	87	84		89	85	83		87	84	82
5	96	89	84	80		95	88	83	79		86	82	79		85	81	78		83	80	77
6	92	84	79	75		91	83	79	75		82	78	74		81	77	74		79	76	74
7	88	80	75	71		87	79	74	71		78	74	71		77	73	70		76	73	70
8	85	76	71	67		84	76	71	67		75	70	67		74	70	67		73	69	66
9	81	73	68	64		80	72	67	64		71	67	64		71	67	64		70	66	63
10	78	70	64	61		77	69	64	61		68	64	61		68	64	61		67	63	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	652811
5°	645971
10°	635334
15°	578516
20°	481393
25°	341716
30°	180868
35°	73707
40°	27371
45°	12531
50°	5133
55°	2686
60°	1311
65°	388
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12531 cd/sqm



TEST NUMBER: P784514

CATALOG NUMBER: LER4DD35BD010-EC4DR5020359050-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.7	15.0
10°-20°	1406.9	37.9
20°-30°	1263.8	34.1
30°-40°	395.7	10.7
40°-50°	69.3	1.9
50°-60°	13.8	0.4
60°-70°	2.1	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	3227.3	87.0
0°-40°	3623.0	97.7
0°-60°	3706.1	99.9
0°-90°	3708.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3708.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5975	
5°	5890	557
15°	5114	1407
25°	2834	1264
35°	553	396
45°	81	69
55°	14	14
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P784514

CATALOG NUMBER: LER4DD35BD010-EC4DR5020359050-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	5974.8
2.5°	5945.1
5°	5889.7
7.5°	5805.1
10°	5726.5
12.5°	5474.6
15°	5114.4
17.5°	4657.1
20°	4140.2
22.5°	3542.3
25°	2834.5
27.5°	2084.0
30°	1433.6
32.5°	933.4
35°	552.6
37.5°	317.4
40°	191.9
42.5°	124.9
45°	81.1
47.5°	49.4
50°	30.2
52.5°	20.7
55°	14.1
57.5°	9.6
60°	6.0
62.5°	3.5
65°	1.5
67.5°	0.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)