

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: P784550

Luminaire Tested: LER4DD35BD010-EC4DR6020359030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR6020359030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3365.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

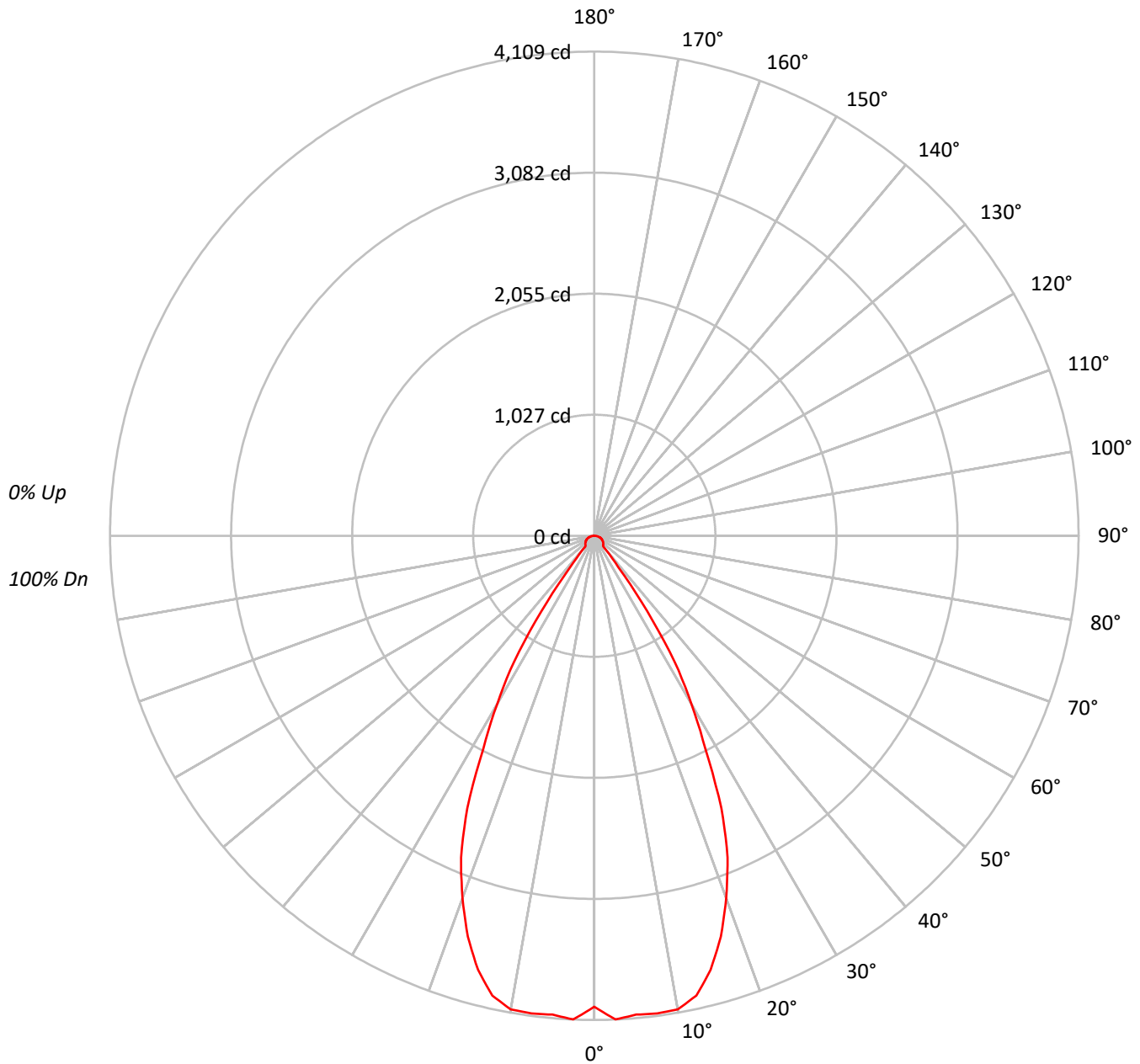


Downlight

TEST NUMBER: P784550

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359030-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P784550

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359030-4LBDP1LI

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	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	436639
5°	447377
10°	452783
15°	431330
20°	380305
25°	307598
30°	208069
35°	104265
40°	16916
45°	16549
50°	16879
55°	17144
60°	17613
65°	18020
70°	18433
75°	18659
80°	17995
85°	15044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 18659 cd/sqm



TEST NUMBER: P784550

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359030-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.8	11.6
10°-20°	1054.8	31.3
20°-30°	1134.8	33.7
30°-40°	493.3	14.7
40°-50°	82.8	2.5
50°-60°	80.6	2.4
60°-70°	68.9	2.0
70°-80°	46.1	1.4
80°-90°	13.8	0.4
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°	2579.4	76.7
0°-40°	3072.7	91.3
0°-60°	3236.2	96.2
0°-90°	3365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3365.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3996	
5°	4079	390
15°	3813	1055
25°	2552	1135
35°	782	493
45°	107	83
55°	90	81
65°	70	69
75°	44	46
85°	12	14
90°	0	



TEST NUMBER: P784550

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359030-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3996.3
2.5°	4108.6
5°	4079.0
7.5°	4088.3
10°	4081.1
12.5°	3996.8
15°	3813.2
17.5°	3566.7
20°	3270.8
22.5°	2954.1
25°	2551.5
27.5°	2040.8
30°	1649.2
32.5°	1271.1
35°	781.7
37.5°	334.4
40°	118.6
42.5°	109.2
45°	107.1
47.5°	103.5
50°	99.3
52.5°	94.7
55°	90.0
57.5°	85.3
60°	80.6
62.5°	75.4
65°	69.7
67.5°	64.0
70°	57.7
72.5°	51.0
75°	44.2
77.5°	36.4
80°	28.6
82.5°	20.3
85°	12.0
87.5°	4.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)