

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: P784561

Luminaire Tested: LER4DD35BD010-EC4DR6020359050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784561
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-EC4DR6020359050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3414.1 lumens
Efficiency: N/A
Efficacy: 110.8 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

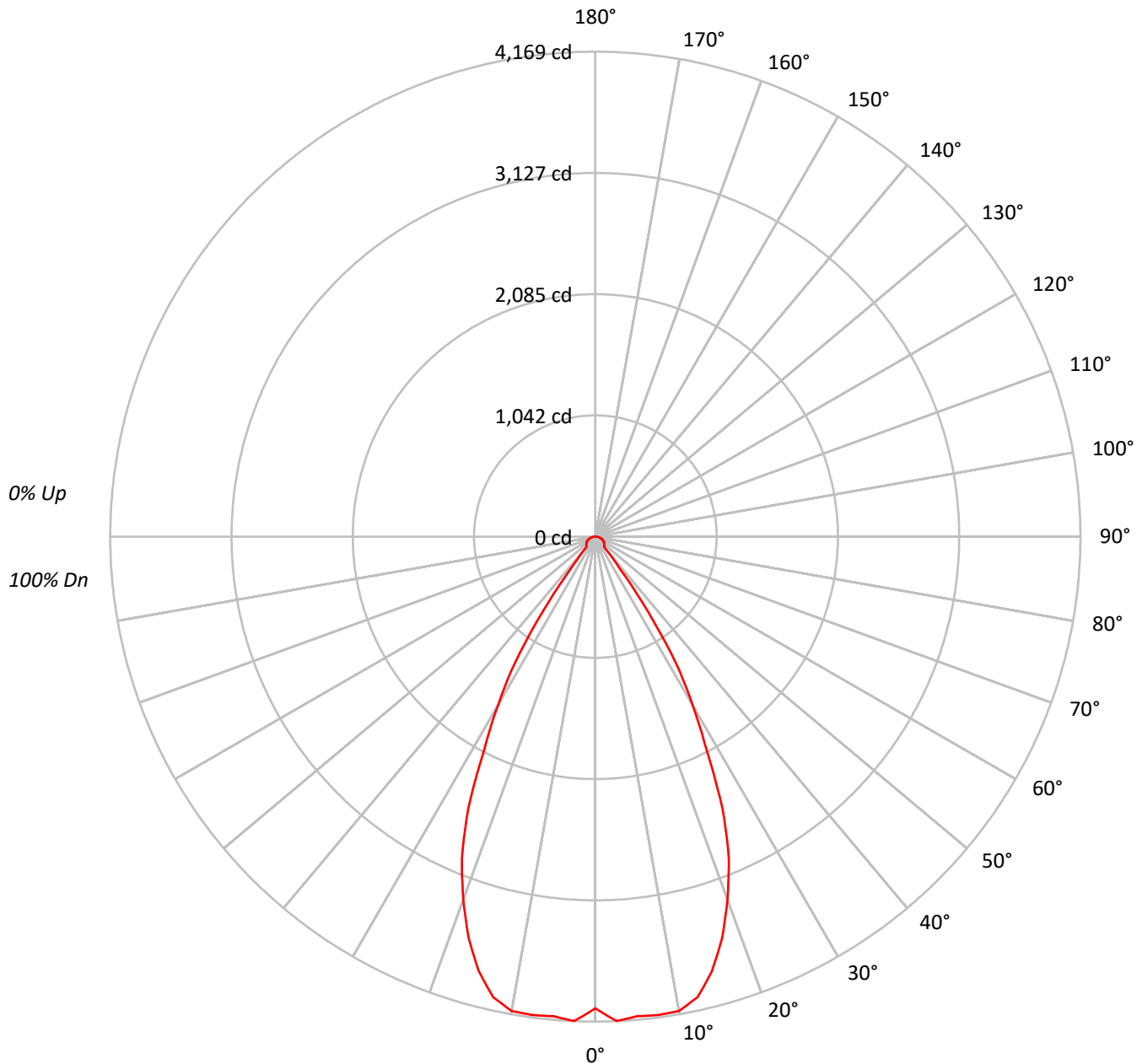


Downlight

TEST NUMBER: P784561

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359050-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P784561

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359050-4LBDP1H

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°	443009
5°	453914
10°	459395
15°	437631
20°	385852
25°	312095
30°	211109
35°	105786
40°	17158
45°	16796
50°	17134
55°	17392
60°	17875
65°	18278
70°	18720
75°	18955
80°	18247
85°	15169

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 18955 cd/sqm



TEST NUMBER: P784561

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359050-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.5	11.6
10°-20°	1070.2	31.3
20°-30°	1151.4	33.7
30°-40°	500.5	14.7
40°-50°	84.1	2.5
50°-60°	81.7	2.4
60°-70°	69.9	2.0
70°-80°	46.8	1.4
80°-90°	14.0	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°	2617.1	76.7
0°-40°	3117.6	91.3
0°-60°	3283.4	96.2
0°-90°	3414.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3414.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4055	
5°	4139	396
15°	3869	1070
25°	2589	1151
35°	793	500
45°	109	84
55°	91	82
65°	71	70
75°	45	47
85°	12	14
90°	0	



TEST NUMBER: P784561

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359050-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	4054.6
2.5°	4168.6
5°	4138.6
7.5°	4148.0
10°	4140.7
12.5°	4055.2
15°	3868.9
17.5°	3618.8
20°	3318.5
22.5°	2997.2
25°	2588.8
27.5°	2070.6
30°	1673.3
32.5°	1289.6
35°	793.1
37.5°	339.3
40°	120.3
42.5°	110.8
45°	108.7
47.5°	105.0
50°	100.8
52.5°	96.0
55°	91.3
57.5°	86.5
60°	81.8
62.5°	76.5
65°	70.7
67.5°	64.9
70°	58.6
72.5°	51.7
75°	44.9
77.5°	36.9
80°	29.0
82.5°	20.6
85°	12.1
87.5°	4.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)