

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: P784554

Luminaire Tested: LER4DD35BD010-EC4DR6020359035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784554
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-EC4DR6020359035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3400.4 lumens
Efficiency: N/A
Efficacy: 110.4 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

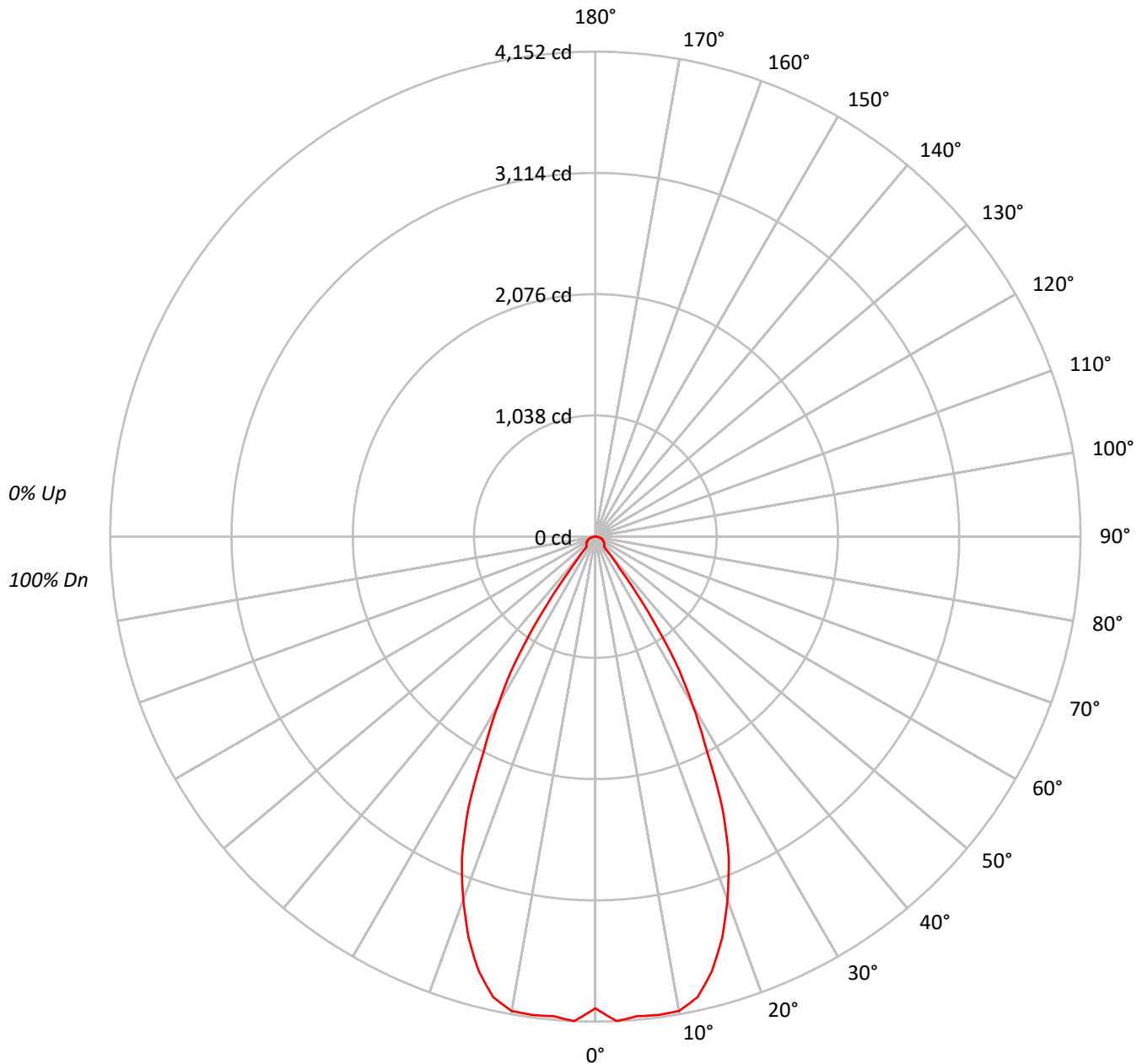


Downlight

TEST NUMBER: P784554

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359035-4LBDP1LI

Luminous Intensity Polar Plot





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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	441239
5°	452082
10°	457554
15°	435878
20°	384305
25°	310841
30°	210251
35°	105359
40°	17087
45°	16734
50°	17066
55°	17316
60°	17810
65°	18201
70°	18624
75°	18870
80°	18184
85°	15169

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 18870 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.0	11.6
10°-20°	1065.9	31.3
20°-30°	1146.8	33.7
30°-40°	498.5	14.7
40°-50°	83.7	2.5
50°-60°	81.4	2.4
60°-70°	69.6	2.0
70°-80°	46.6	1.4
80°-90°	13.9	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°	2606.6	76.7
0°-40°	3105.1	91.3
0°-60°	3270.3	96.2
0°-90°	3400.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3400.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4038	
5°	4122	394
15°	3853	1066
25°	2578	1147
35°	790	498
45°	108	84
55°	91	81
65°	70	70
75°	45	47
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4038.4
2.5°	4151.9
5°	4121.9
7.5°	4131.4
10°	4124.1
12.5°	4038.9
15°	3853.4
17.5°	3604.3
20°	3305.2
22.5°	2985.2
25°	2578.4
27.5°	2062.3
30°	1666.5
32.5°	1284.5
35°	789.9
37.5°	337.9
40°	119.8
42.5°	110.4
45°	108.3
47.5°	104.6
50°	100.4
52.5°	95.7
55°	90.9
57.5°	86.2
60°	81.5
62.5°	76.2
65°	70.4
67.5°	64.6
70°	58.3
72.5°	51.5
75°	44.7
77.5°	36.8
80°	28.9
82.5°	20.5
85°	12.1
87.5°	4.2
90°	0.0



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— 0°-180°







(END OF REPORT)