

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: P784598

Luminaire Tested: LER4DD35BD010-EC4DR7020359030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR7020359030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3387.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): 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

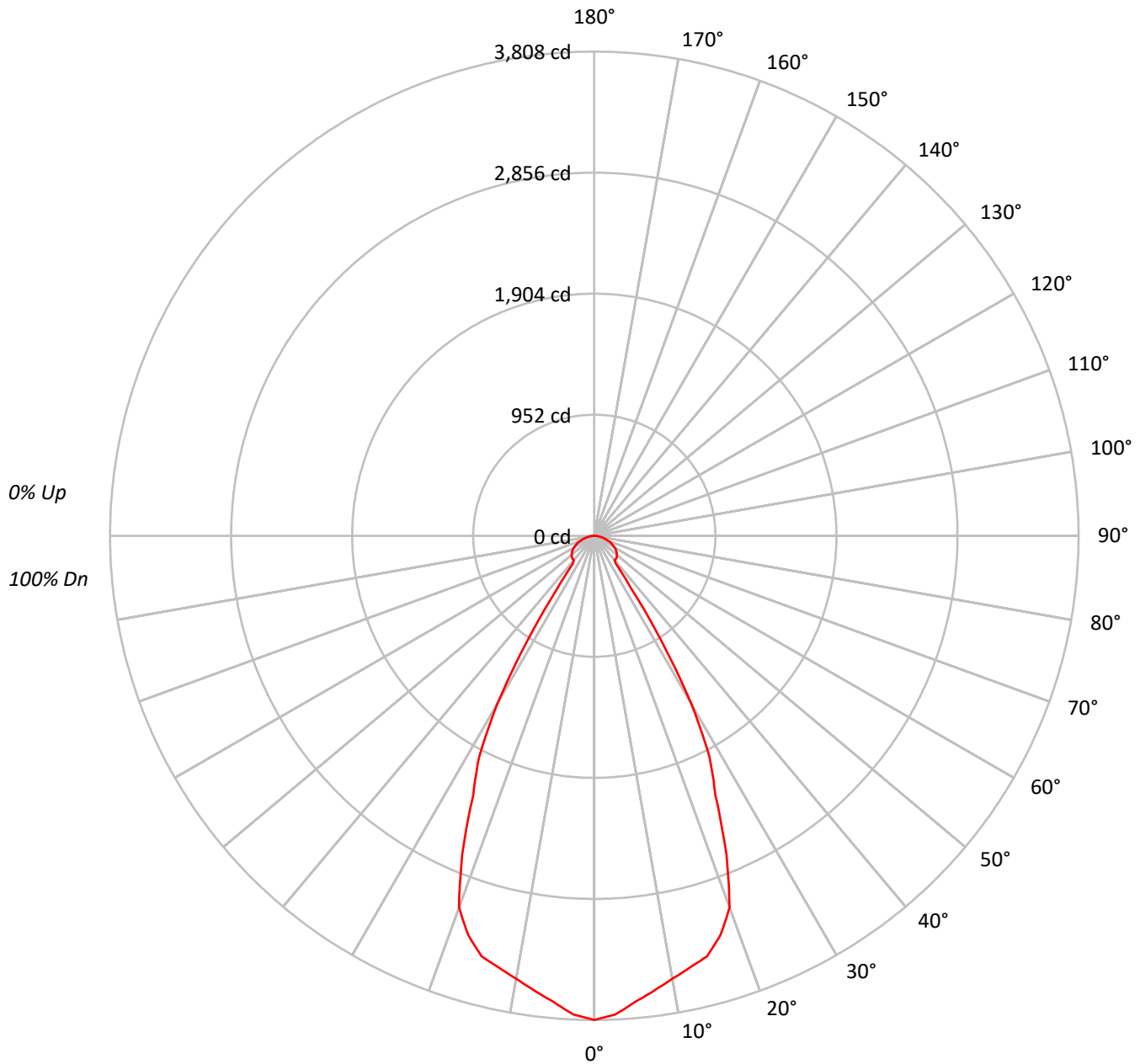


Downlight

TEST NUMBER: P784598

CATALOG NUMBER: LER4DD35BD010-EC4DR7020359030-4LBDP1LI

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	416065
5°	403703
10°	392450
15°	387295
20°	361655
25°	271697
30°	192059
35°	68039
40°	35772
45°	38104
50°	39452
55°	40193
60°	40448
65°	39581
70°	37376
75°	34616
80°	30705
85°	24947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 40467 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.2	10.3
10°-20°	952.3	28.1
20°-30°	1048.8	31.0
30°-40°	400.7	11.8
40°-50°	189.2	5.6
50°-60°	188.1	5.6
60°-70°	150.6	4.4
70°-80°	86.6	2.6
80°-90°	23.5	0.7
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°	2348.3	69.3
0°-40°	2749.0	81.2
0°-60°	3126.3	92.3
0°-90°	3387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3387.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3808	
5°	3681	347
15°	3424	952
25°	2254	1049
35°	510	401
45°	247	189
55°	211	188
65°	153	151
75°	82	87
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3808.0
2.5°	3768.2
5°	3680.8
7.5°	3607.8
10°	3537.3
12.5°	3477.6
15°	3423.9
17.5°	3294.3
20°	3110.4
22.5°	2713.7
25°	2253.7
27.5°	1961.9
30°	1522.3
32.5°	983.3
35°	510.1
37.5°	275.5
40°	250.8
42.5°	249.0
45°	246.6
47.5°	241.2
50°	232.1
52.5°	221.9
55°	211.0
57.5°	199.0
60°	185.1
62.5°	169.4
65°	153.1
67.5°	135.1
70°	117.0
72.5°	98.9
75°	82.0
77.5°	64.5
80°	48.8
82.5°	34.4
85°	19.9
87.5°	7.8
90°	0.0



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— 0°-180°







(END OF REPORT)