

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: P784576

Luminaire Tested: LER4DD35BD010-EC4DR6520359035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR6520359035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2107.8 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

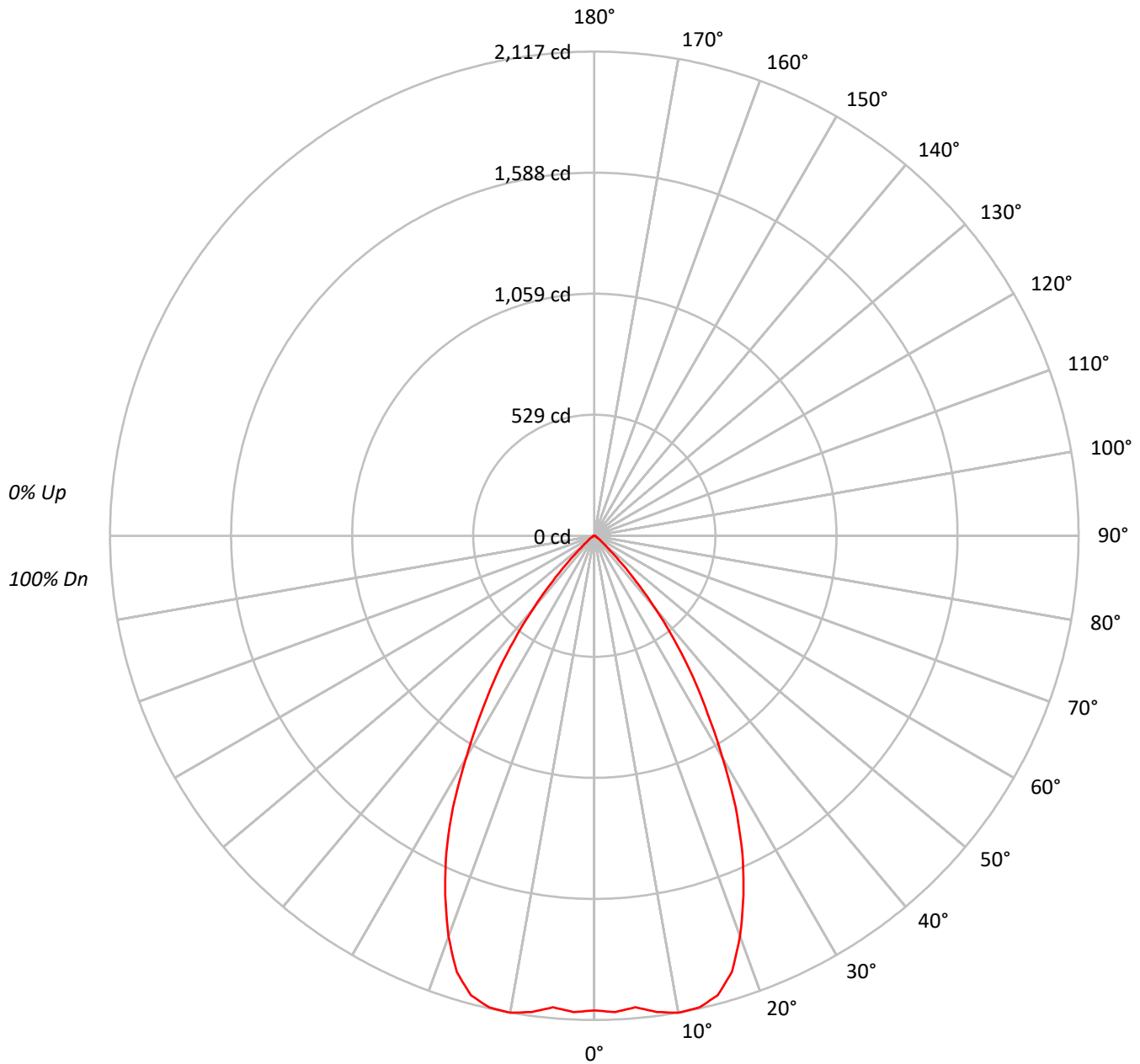


Downlight

TEST NUMBER: P784576

CATALOG NUMBER: LER4DD35BD010-EC4DR6520359035-4LBDP1B

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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	226749
5°	226935
10°	234918
15°	235313
20°	216640
25°	184595
30°	141316
35°	99837
40°	58935
45°	23919
50°	8669
55°	4838
60°	2775
65°	1525
70°	1597
75°	1224
80°	1321
85°	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23919 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.8	9.5
10°-20°	576.4	27.3
20°-30°	691.6	32.8
30°-40°	464.8	22.1
40°-50°	139.1	6.6
50°-60°	24.6	1.2
60°-70°	7.0	0.3
70°-80°	3.4	0.2
80°-90°	1.1	0.1
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°	1467.9	69.6
0°-40°	1932.6	91.7
0°-60°	2096.3	99.5
0°-90°	2107.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2107.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2075	
5°	2069	200
15°	2080	576
25°	1531	692
35°	748	465
45°	155	139
55°	25	25
65°	6	7
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2075.3
2.5°	2084.1
5°	2069.1
7.5°	2100.3
10°	2117.4
12.5°	2113.3
15°	2080.3
17.5°	1999.5
20°	1863.2
22.5°	1702.8
25°	1531.2
27.5°	1337.4
30°	1120.1
32.5°	923.1
35°	748.5
37.5°	576.0
40°	413.2
42.5°	269.8
45°	154.8
47.5°	82.0
50°	51.0
52.5°	35.4
55°	25.4
57.5°	18.3
60°	12.7
62.5°	8.3
65°	5.9
67.5°	5.3
70°	5.0
72.5°	3.8
75°	2.9
77.5°	2.7
80°	2.1
82.5°	1.5
85°	0.9
87.5°	0.6
90°	0.0



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— 0°-180°







(END OF REPORT)