

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P858728

Luminaire Tested: **LD4C35W2N2050D010 4LBWLI_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C35W2N2050D010 4LBWLI_2700K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

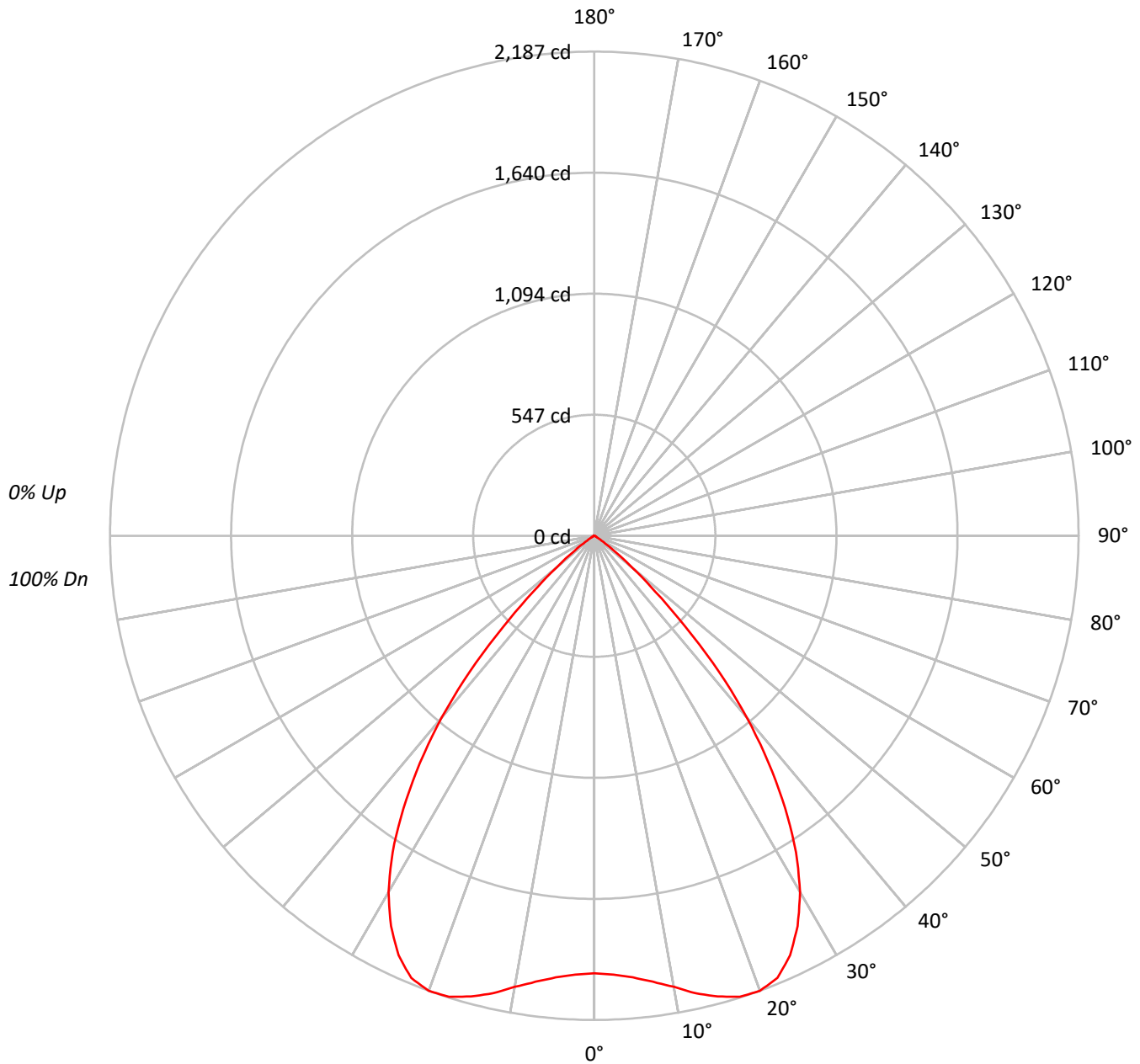
Lumens per Lamp: N/A
Luminaire Lumens: 3226.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 52.8
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: 25 FT

TEST NUMBER: P858728

CATALOG NUMBER: LD4C35W2N2050D010 4LBWLI_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P858728

CATALOG NUMBER: LD4C35W2N2050D010 4LBWLI_2700K

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	107	105	110	108	105	103		104	102	100			100	98	97			96
2	106	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	100	93	87	83	98	92	86	82		89	85	81			86	83	80			84
4	94	86	79	75	92	84	79	74		82	77	73			80	76	72			78
5	88	79	72	68	87	78	72	67		76	71	67			74	70	66			73
6	83	73	66	62	82	72	66	61		71	65	61			69	64	60			68
7	78	68	61	56	77	67	61	56		66	60	56			64	59	55			63
8	74	63	56	52	72	62	56	51		61	55	51			60	55	51			59
9	69	59	52	48	68	58	52	47		57	51	47			56	51	47			55
10	66	55	48	44	65	54	48	44		53	48	44			53	47	44			52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242832
5°	246941
10°	258105
15°	273949
20°	285950
25°	283470
30°	263617
35°	225520
40°	171825
45°	100787
50°	43061
55°	12680
60°	3636
65°	2151
70°	1329
75°	1756
80°	0
85°	0



TEST NUMBER: P858728

CATALOG NUMBER: LD4C35W2N2050D010 4LBWLI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	6.0
10°-20°	610.0	18.9
20°-30°	951.6	29.5
30°-40°	925.9	28.7
40°-50°	462.5	14.3
50°-60°	71.6	2.2
60°-70°	8.7	0.3
70°-80°	2.4	0.1
80°-90°	0.0	0.0
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°	1754.9	54.4
0°-40°	2680.8	83.1
0°-60°	3214.9	99.7
0°-90°	3226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3226.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1977	
5°	2002	193
15°	2154	610
25°	2091	952
35°	1504	926
45°	580	462
55°	59	72
65°	7	9
75°	4	2
85°	0	0
90°	0	



TEST NUMBER: P858728

CATALOG NUMBER: LD4C35W2N2050D010 4LBWLI_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1976.6
2.5°	1984.0
5°	2002.4
7.5°	2032.0
10°	2069.0
12.5°	2117.0
15°	2153.9
17.5°	2183.5
20°	2187.2
22.5°	2161.3
25°	2091.2
27.5°	1987.7
30°	1858.3
32.5°	1695.9
35°	1503.7
37.5°	1293.0
40°	1071.4
42.5°	835.0
45°	580.1
47.5°	373.1
50°	225.3
52.5°	121.9
55°	59.2
57.5°	25.9
60°	14.8
62.5°	11.1
65°	7.4
67.5°	7.4
70°	3.7
72.5°	3.7
75°	3.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)