

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: P857733

Luminaire Tested: **LD4C35D010 EU4359030 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P857733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER
Issue Date: 7/19/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C35D010 EU4359030 4LBMLI
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

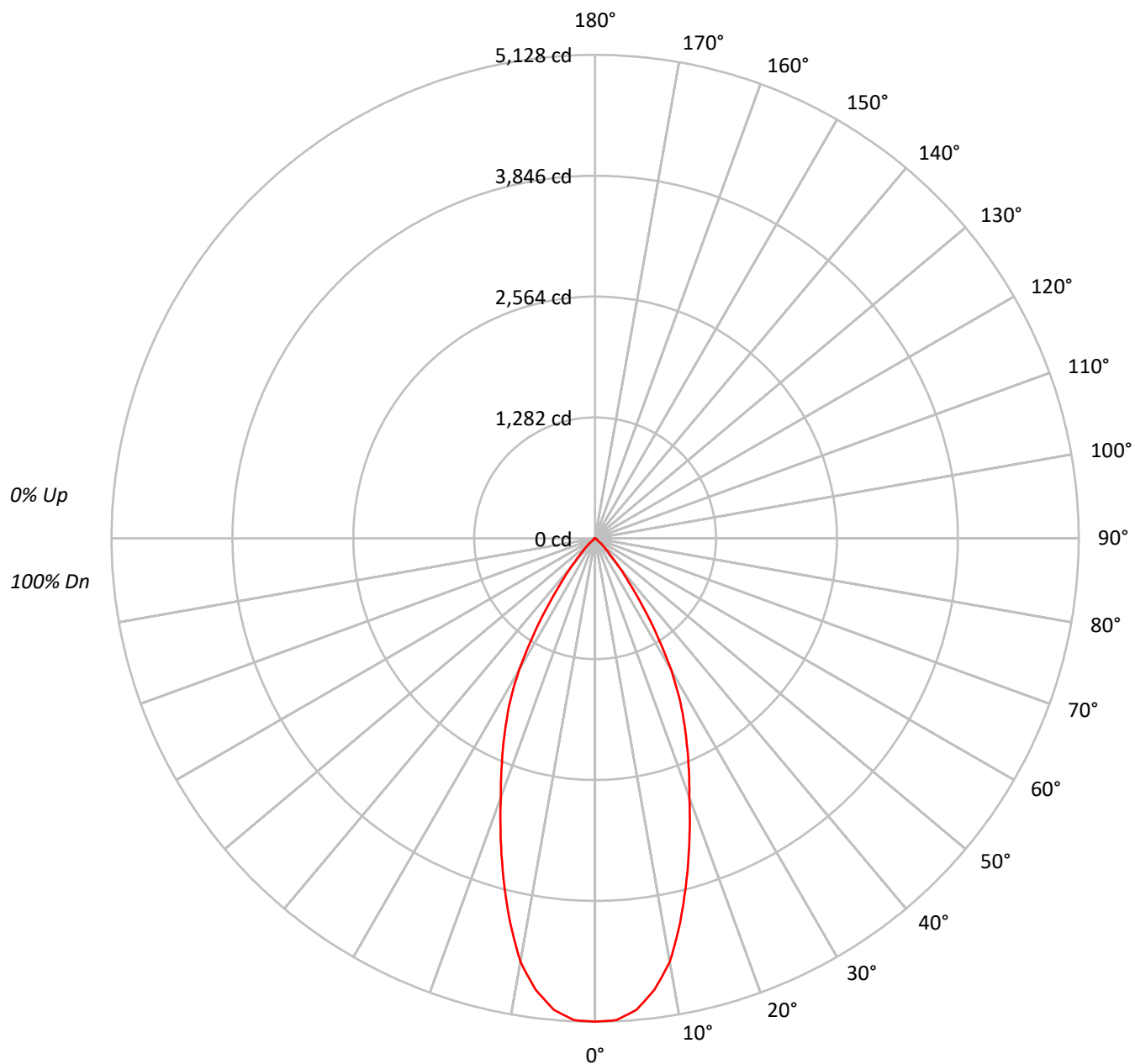
Lumens per Lamp: N/A
Luminaire Lumens: 3252.9 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
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: P857733

CATALOG NUMBER: LD4C35D010 EU4359030 4LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P857733

CATALOG NUMBER: LD4C35D010 EU4359030 4LBMLI

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	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	71
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	64		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		67	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		64	60	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	630005
5°	619302
10°	569041
15°	476545
20°	381781
25°	306758
30°	228365
35°	130449
40°	61231
45°	25992
50°	8276
55°	4220
60°	2899
65°	2296
70°	1401
75°	0
80°	0
85°	0



TEST NUMBER: P857733

CATALOG NUMBER: LD4C35D010 EU4359030 4LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.3	14.3
10°-20°	1038.1	31.9
20°-30°	1032.1	31.7
30°-40°	562.0	17.3
40°-50°	129.9	4.0
50°-60°	18.3	0.6
60°-70°	6.8	0.2
70°-80°	1.5	0.0
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°	2534.4	77.9
0°-40°	3096.4	95.2
0°-60°	3244.6	99.7
0°-90°	3252.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3252.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5128	
5°	5022	464
15°	3747	1038
25°	2263	1032
35°	870	562
45°	150	130
55°	20	18
65°	8	7
75°	0	2
85°	0	0
90°	0	



TEST NUMBER: P857733

CATALOG NUMBER: LD4C35D010 EU4359030 4LBMLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	5128.1
2.5°	5116.3
5°	5021.8
7.5°	4829.1
10°	4561.5
12.5°	4167.9
15°	3746.8
17.5°	3329.6
20°	2920.2
22.5°	2585.7
25°	2263.0
27.5°	1956.1
30°	1609.8
32.5°	1224.0
35°	869.8
37.5°	586.3
40°	381.8
42.5°	240.0
45°	149.6
47.5°	86.6
50°	43.3
52.5°	23.6
55°	19.7
57.5°	11.8
60°	11.8
62.5°	7.9
65°	7.9
67.5°	3.9
70°	3.9
72.5°	3.9
75°	0.0
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)