

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: P857093

Luminaire Tested: **LX4C15D010 EX4C159030 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C15D010 EX4C159030 4LBSLI
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

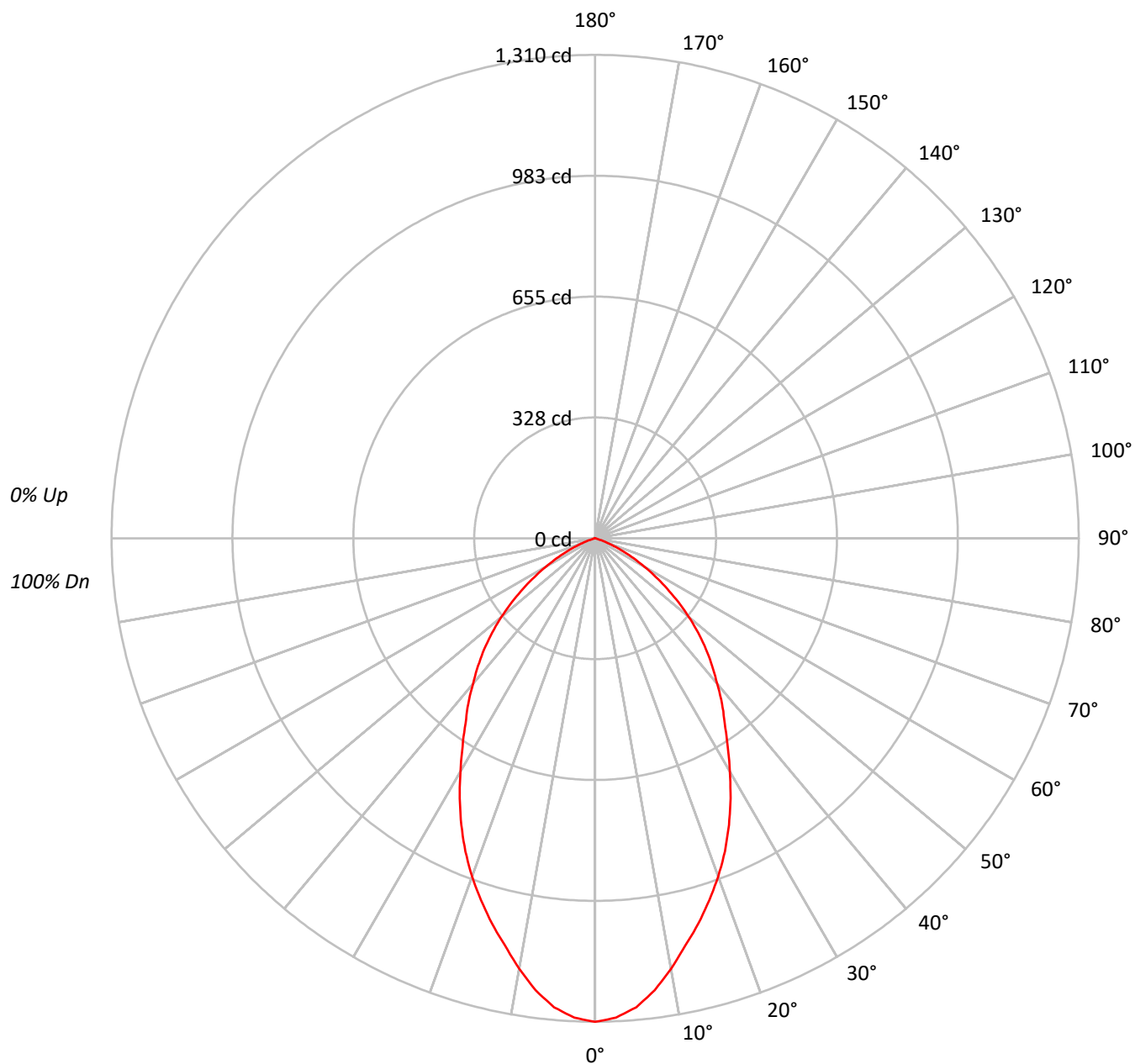
Lumens per Lamp: N/A
Luminaire Lumens: 1835.2 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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

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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160975
5°	157335
10°	147752
15°	137464
20°	127483
25°	116224
30°	103458
35°	91696
40°	82432
45°	73770
50°	63301
55°	50913
60°	37937
65°	24215
70°	11674
75°	1946
80°	1415
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	6.5
10°-20°	303.0	16.5
20°-30°	392.7	21.4
30°-40°	384.7	21.0
40°-50°	326.1	17.8
50°-60°	213.8	11.6
60°-70°	86.0	4.7
70°-80°	9.8	0.5
80°-90°	0.3	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°	814.5	44.4
0°-40°	1199.2	65.3
0°-60°	1739.1	94.8
0°-90°	1835.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1835.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1310	
5°	1276	119
15°	1081	303
25°	857	393
35°	611	385
45°	425	326
55°	238	214
65°	83	86
75°	4	10
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1310.3
2.5°	1300.1
5°	1275.8
7.5°	1235.2
10°	1184.4
12.5°	1129.5
15°	1080.8
17.5°	1028.0
20°	975.1
22.5°	918.3
25°	857.4
27.5°	794.4
30°	729.3
32.5°	668.4
35°	611.4
37.5°	564.8
40°	514.0
42.5°	469.3
45°	424.6
47.5°	377.8
50°	331.2
52.5°	284.4
55°	237.7
57.5°	195.0
60°	154.4
62.5°	117.9
65°	83.3
67.5°	54.9
70°	32.5
72.5°	14.2
75°	4.1
77.5°	2.0
80°	2.0
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)