

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: P856959

Luminaire Tested: **LX4C15D010 EX4C159035 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P856959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C15D010 EX4C159035 4LBMLI
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

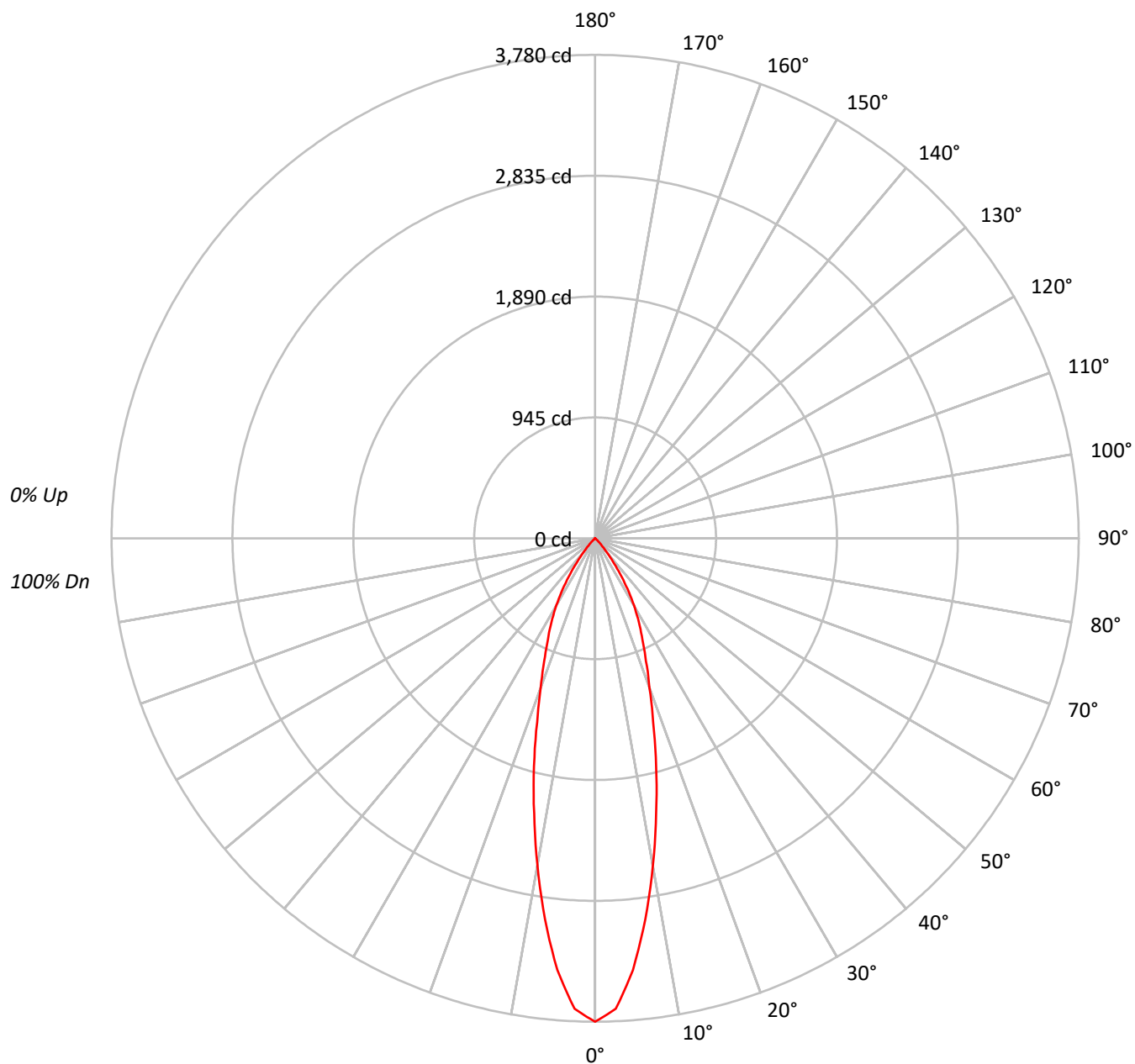
Lumens per Lamp: N/A
Luminaire Lumens: 1469.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	109	105	102	99		107	103	100	98		100	98	95			97	95	93			95
3	105	99	95	92		103	98	94	91		95	92	89			93	90	88			91
4	101	94	89	86		99	93	88	85		91	87	84			89	86	83			87
5	96	89	84	80		95	88	84	80		87	82	79			85	81	79			83
6	92	85	80	76		91	84	79	76		83	78	75			81	78	75			80
7	89	81	76	72		88	80	75	72		79	75	71			78	74	71			77
8	85	77	72	68		84	77	72	68		76	71	68			75	71	68			74
9	82	74	69	65		81	73	68	65		72	68	65			72	68	65			71
10	79	71	66	62		78	70	65	62		69	65	62			69	65	62			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	464435
5°	417941
10°	323997
15°	234508
20°	162377
25°	118379
30°	86009
35°	50902
40°	21410
45°	6672
50°	860
55°	493
60°	565
65°	669
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.9	20.3
10°-20°	510.0	34.7
20°-30°	405.4	27.6
30°-40°	214.6	14.6
40°-50°	37.0	2.5
50°-60°	2.8	0.2
60°-70°	1.4	0.1
70°-80°	0.0	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°	1213.3	82.6
0°-40°	1427.9	97.2
0°-60°	1467.6	99.9
0°-90°	1469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1469.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3780	
5°	3389	298
15°	1844	510
25°	873	405
35°	339	215
45°	38	37
55°	2	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3780.4
2.5°	3683.0
5°	3389.0
7.5°	3004.4
10°	2597.2
12.5°	2203.5
15°	1843.8
17.5°	1509.0
20°	1242.0
22.5°	1038.4
25°	873.3
27.5°	739.8
30°	606.3
32.5°	470.6
35°	339.4
37.5°	224.0
40°	133.5
42.5°	76.9
45°	38.4
47.5°	13.6
50°	4.5
52.5°	4.5
55°	2.3
57.5°	2.3
60°	2.3
62.5°	2.3
65°	2.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)