

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: P859678

Luminaire Tested: **LX4C08D010 EX4C089035 4LBNLI**

Issue Date: 1/21/2022



Test Information

Test Method: LM-79-08
Report Number: P859678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EX4C089035 4LBNLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LBN TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

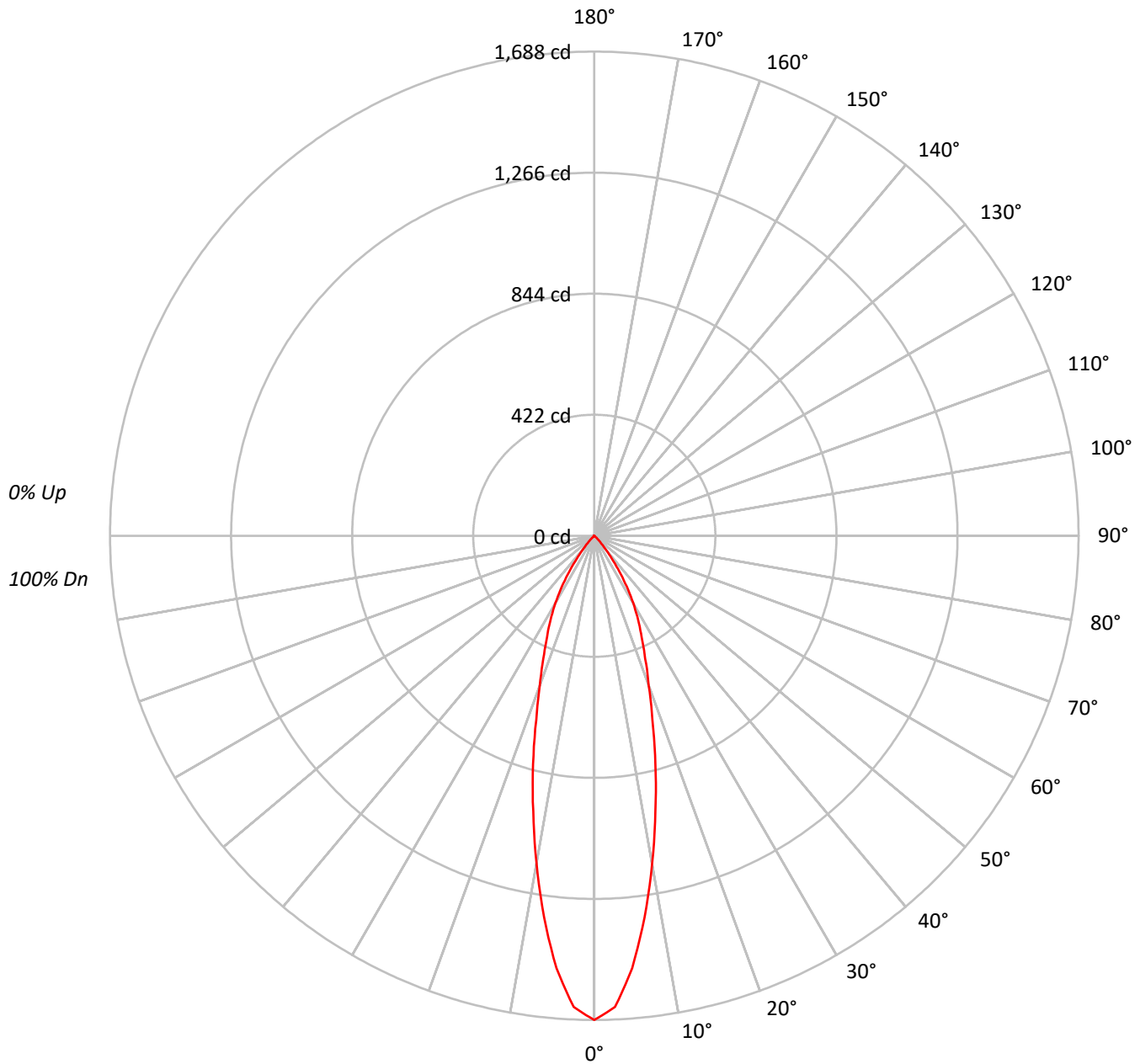
Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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°	207401
5°	186637
10°	144684
15°	104726
20°	72507
25°	52866
30°	38415
35°	22721
40°	9558
45°	2988
50°	382
55°	214
60°	246
65°	291
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	20.3
10°-20°	227.8	34.7
20°-30°	181.0	27.6
30°-40°	95.8	14.6
40°-50°	16.5	2.5
50°-60°	1.2	0.2
60°-70°	0.6	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°	541.8	82.6
0°-40°	637.6	97.2
0°-60°	655.4	99.9
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1688	
5°	1513	133
15°	823	228
25°	390	181
35°	152	96
45°	17	17
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1688.2
2.5°	1644.7
5°	1513.4
7.5°	1341.7
10°	1159.8
12.5°	984.0
15°	823.4
17.5°	673.8
20°	554.6
22.5°	463.7
25°	390.0
27.5°	330.4
30°	270.8
32.5°	210.1
35°	151.5
37.5°	100.0
40°	59.6
42.5°	34.4
45°	17.2
47.5°	6.1
50°	2.0
52.5°	2.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
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)