

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: P856777

Luminaire Tested: **LX4C10D010 EX4C109040 4LBWLI**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P856777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C10D010 EX4C109040 4LBWLI
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

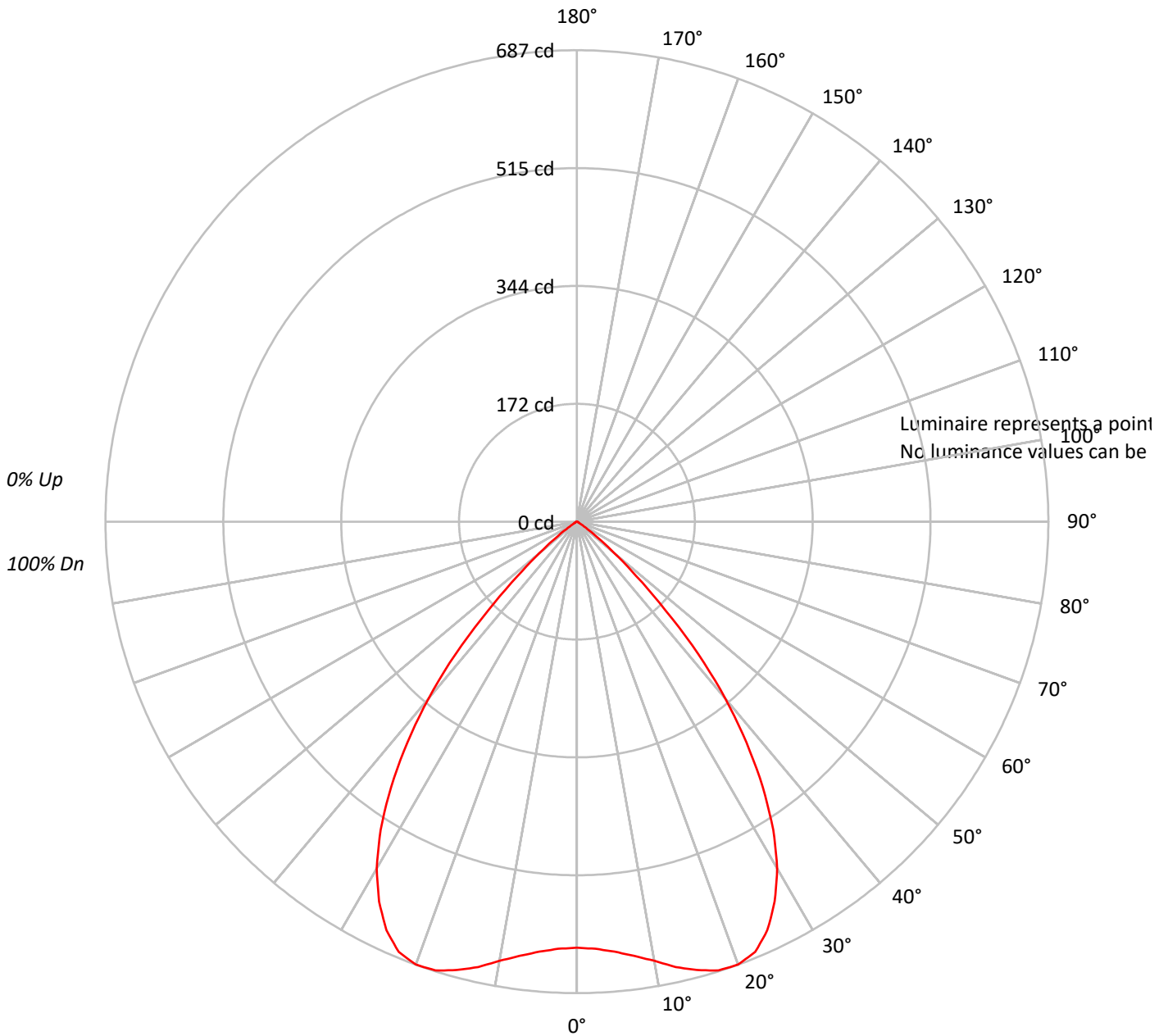
Lumens per Lamp: N/A
Luminaire Lumens: 1013.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V):
Input Current (A_{in}): 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: P856777

CATALOG NUMBER: LX4C10D010 EX4C109040 4LBWLI

Luminous Intensity Polar Plot





TEST NUMBER: P856777

CATALOG NUMBER: LX4C10D010 EX4C109040 4LBWLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70			70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64			64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49			49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45			45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42			42

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P856777

CATALOG NUMBER: LX4C10D010 EX4C109040 4LBWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	6.0
10°-20°	191.6	18.9
20°-30°	298.8	29.5
30°-40°	290.7	28.7
40°-50°	145.2	14.3
50°-60°	22.5	2.2
60°-70°	2.7	0.3
70°-80°	0.8	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°	551.1	54.4
0°-40°	841.8	83.1
0°-60°	1009.5	99.7
0°-90°	1013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1013.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	621	
5°	629	61
15°	676	192
25°	657	299
35°	472	291
45°	182	145
55°	19	22
65°	2	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P856777

CATALOG NUMBER: LX4C10D010 EX4C109040 4LBWLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	620.7
2.5°	623.0
5°	628.8
7.5°	638.1
10°	649.7
12.5°	664.7
15°	676.4
17.5°	685.7
20°	686.8
22.5°	678.7
25°	656.7
27.5°	624.1
30°	583.5
32.5°	532.5
35°	472.2
37.5°	406.0
40°	336.4
42.5°	262.2
45°	182.2
47.5°	117.2
50°	70.8
52.5°	38.3
55°	18.6
57.5°	8.1
60°	4.6
62.5°	3.5
65°	2.3
67.5°	2.3
70°	1.2
72.5°	1.2
75°	1.2
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)