

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: P859594

Luminaire Tested: **LX4C75D010 EX4C759040 4LBWLI**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859594
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: LX4C75D010 EX4C759040 4LBWLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

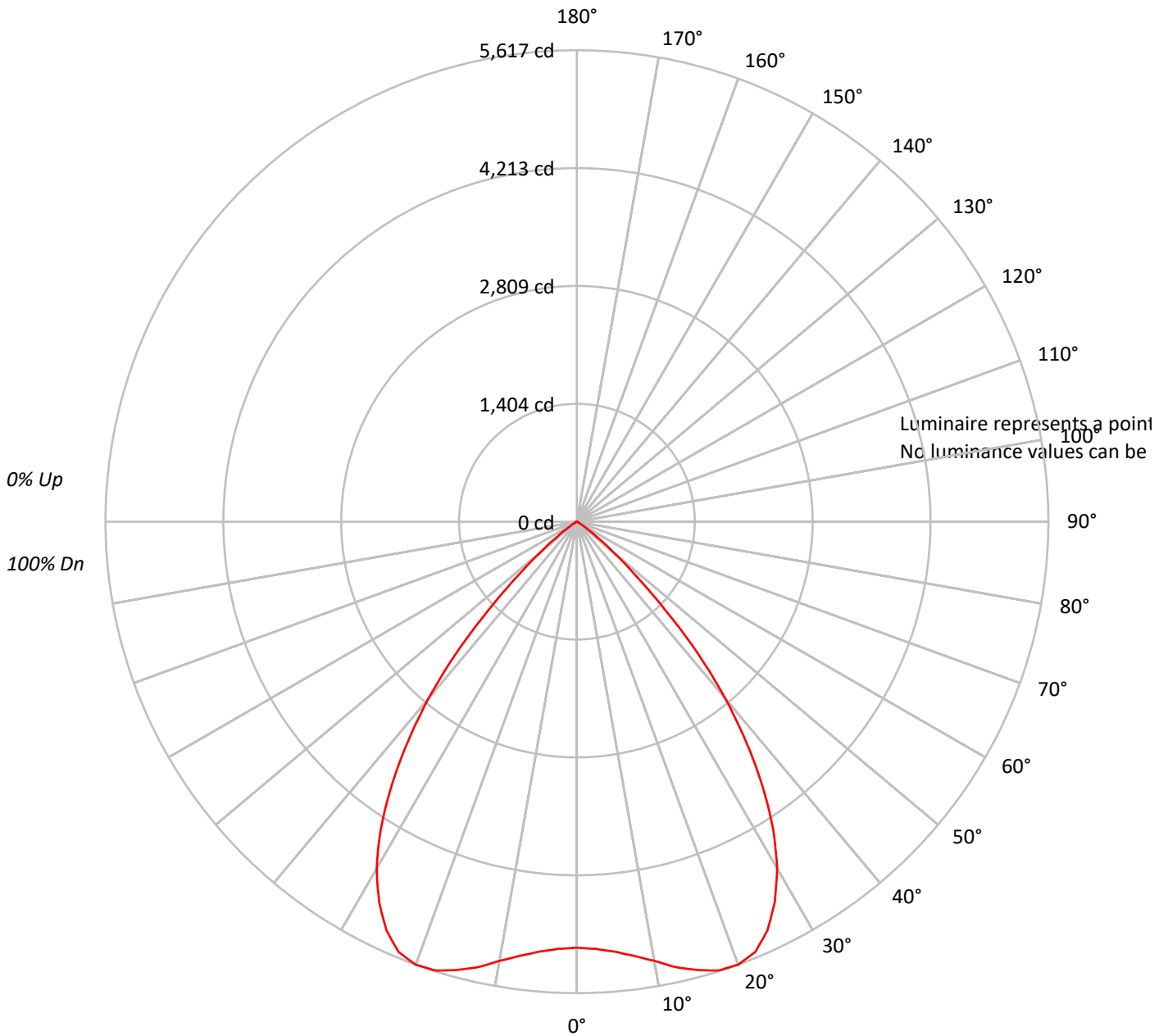
Lumens per Lamp: N/A
Luminaire Lumens: 8284.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 81.5
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: P859594

CATALOG NUMBER: LX4C75D010 EX4C759040 4LBWLI

Luminous Intensity Polar Plot





TEST NUMBER: P859594

CATALOG NUMBER: LX4C75D010 EX4C759040 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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77	77	77	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70	70	70	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64	64	64	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58	58	58	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54	54	54	54
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45	45	45	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42	42	42	42

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P859594

CATALOG NUMBER: LX4C75D010 EX4C759040 4LBWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.4	6.0
10°-20°	1566.4	18.9
20°-30°	2443.6	29.5
30°-40°	2377.6	28.7
40°-50°	1187.6	14.3
50°-60°	183.9	2.2
60°-70°	22.2	0.3
70°-80°	6.2	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°	4506.5	54.4
0°-40°	6884.1	83.1
0°-60°	8255.5	99.7
0°-90°	8284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8284.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5076	
5°	5142	496
15°	5531	1566
25°	5370	2444
35°	3861	2378
45°	1490	1188
55°	152	184
65°	19	22
75°	10	6
85°	0	0
90°	0	



TEST NUMBER: P859594

CATALOG NUMBER: LX4C75D010 EX4C759040 4LBWLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	5075.6
2.5°	5094.6
5°	5142.1
7.5°	5218.1
10°	5313.0
12.5°	5436.1
15°	5531.1
17.5°	5607.1
20°	5616.6
22.5°	5550.1
25°	5370.0
27.5°	5104.1
30°	4772.0
32.5°	4354.9
35°	3861.4
37.5°	3320.4
40°	2751.3
42.5°	2144.2
45°	1489.6
47.5°	958.1
50°	578.6
52.5°	313.0
55°	152.0
57.5°	66.5
60°	38.0
62.5°	28.5
65°	19.0
67.5°	19.0
70°	9.5
72.5°	9.5
75°	9.5
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)