

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: P859636

Luminaire Tested: **LX4C08D010 EX4C089027 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EX4C089027 4LBWH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

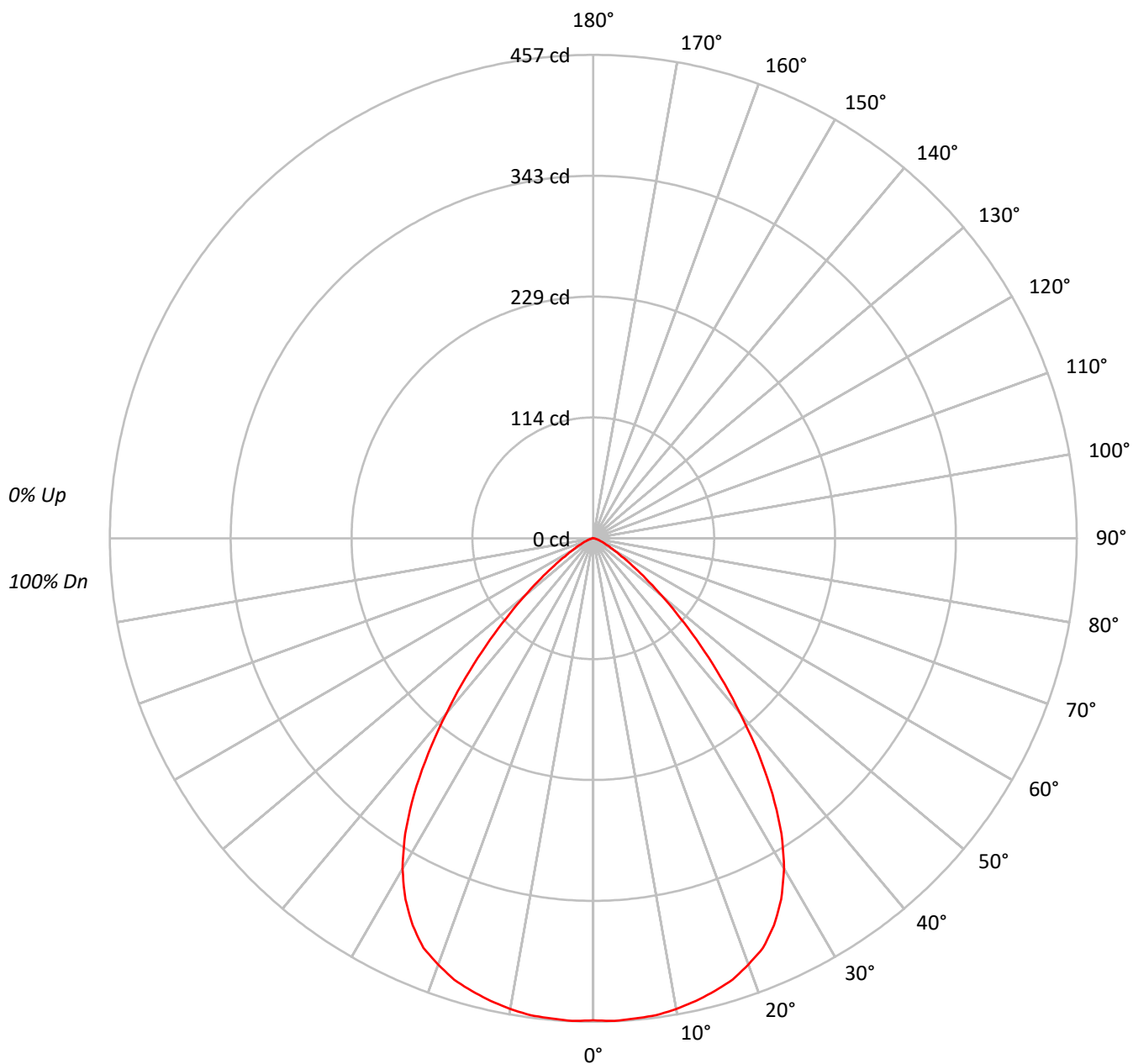
Lumens per Lamp: N/A
Luminaire Lumens: 707.0 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P859636

CATALOG NUMBER: LX4C08D010 EX4C089027 4LBWH

Luminous Intensity Polar Plot





TEST NUMBER: P859636

CATALOG NUMBER: LX4C08D010 EX4C089027 4LBWH

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55984
5°	56198
10°	56374
15°	56369
20°	56060
25°	54750
30°	51169
35°	44318
40°	34609
45°	24845
50°	16131
55°	9660
60°	5651
65°	3634
70°	2407
75°	1804
80°	1344
85°	0



TEST NUMBER: P859636

CATALOG NUMBER: LX4C08D010 EX4C089027 4LBWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	6.1
10°-20°	125.0	17.7
20°-30°	184.5	26.1
30°-40°	182.1	25.8
40°-50°	111.4	15.8
50°-60°	42.7	6.0
60°-70°	13.4	1.9
70°-80°	3.9	0.6
80°-90°	0.5	0.1
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°	353.0	49.9
0°-40°	535.1	75.7
0°-60°	689.2	97.5
0°-90°	707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	707.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	456	
5°	456	43
15°	443	125
25°	404	185
35°	296	182
45°	143	111
55°	45	43
65°	12	13
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P859636

CATALOG NUMBER: LX4C08D010 EX4C089027 4LBWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	455.7
2.5°	456.7
5°	455.7
7.5°	454.7
10°	451.9
12.5°	448.0
15°	443.2
17.5°	437.5
20°	428.8
22.5°	419.3
25°	403.9
27.5°	384.7
30°	360.7
32.5°	331.0
35°	295.5
37.5°	256.1
40°	215.8
42.5°	178.4
45°	143.0
47.5°	111.3
50°	84.4
52.5°	62.4
55°	45.1
57.5°	31.6
60°	23.0
62.5°	17.3
65°	12.5
67.5°	9.6
70°	6.7
72.5°	4.8
75°	3.8
77.5°	1.9
80°	1.9
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)