

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: P859825

Luminaire Tested: **LX4C08D010 EX4C089030 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859825
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 EX4C089030 4LBWH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

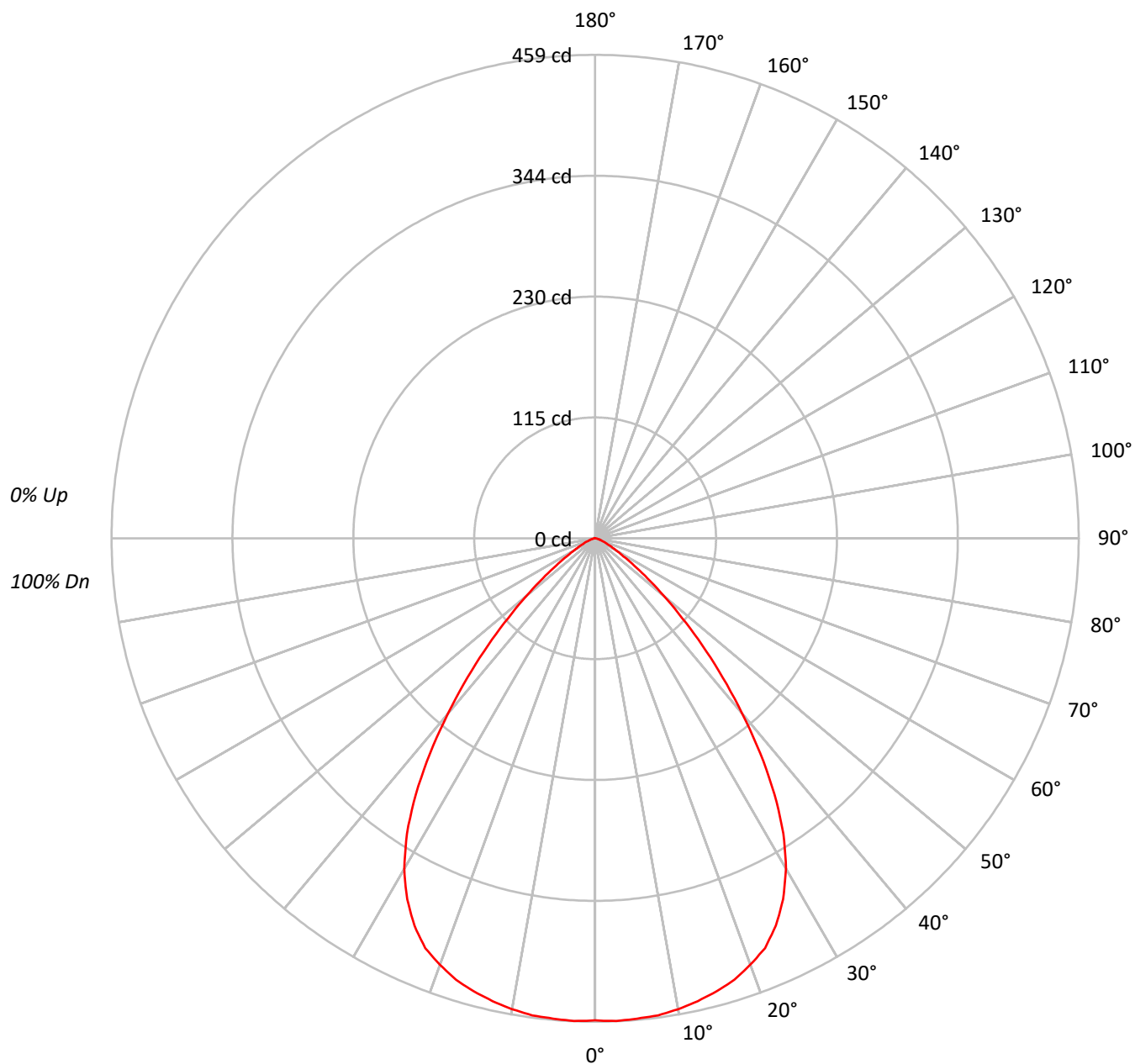
Lumens per Lamp: N/A
Luminaire Lumens: 710.3 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 10.7
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	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	67	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°	56242
5°	56457
10°	56636
15°	56636
20°	56322
25°	55008
30°	51396
35°	44513
40°	34785
45°	24949
50°	16207
55°	9724
60°	5676
65°	3663
70°	2407
75°	1851
80°	1344
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	6.1
10°-20°	125.6	17.7
20°-30°	185.4	26.1
30°-40°	182.9	25.8
40°-50°	111.9	15.8
50°-60°	42.9	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°	354.6	49.9
0°-40°	537.5	75.7
0°-60°	692.4	97.5
0°-90°	710.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	710.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	458	
5°	458	44
15°	445	126
25°	406	185
35°	297	183
45°	144	112
55°	45	43
65°	13	13
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	457.8
2.5°	458.8
5°	457.8
7.5°	456.9
10°	454.0
12.5°	450.1
15°	445.3
17.5°	439.5
20°	430.8
22.5°	421.2
25°	405.8
27.5°	386.4
30°	362.3
32.5°	332.5
35°	296.8
37.5°	257.4
40°	216.9
42.5°	179.2
45°	143.6
47.5°	111.8
50°	84.8
52.5°	62.7
55°	45.4
57.5°	31.8
60°	23.1
62.5°	17.4
65°	12.6
67.5°	9.7
70°	6.7
72.5°	4.9
75°	3.9
77.5°	1.9
80°	1.9
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)