

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: P858789

Luminaire Tested: **LX4C05D010 EX4C059027 4LBWLI**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858789
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: LX4C05D010 EX4C059027 4LBWLI
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

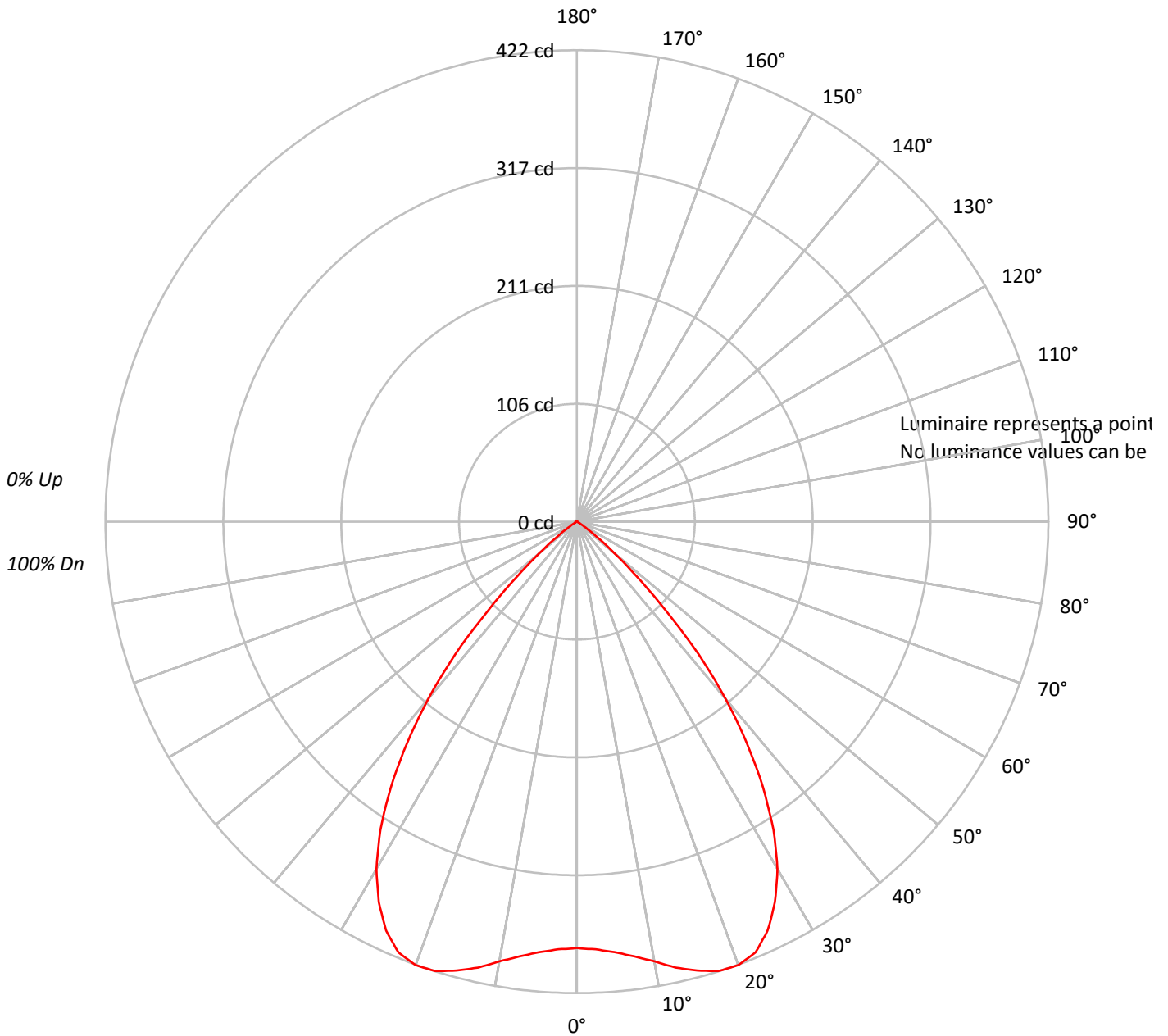
Lumens per Lamp: N/A
Luminaire Lumens: 623.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 7.2
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									
RC	80									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																			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77																			
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70																			
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64																			
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58																			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54																			
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49																			
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45																			
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	6.0
10°-20°	117.8	18.9
20°-30°	183.8	29.5
30°-40°	178.8	28.7
40°-50°	89.3	14.3
50°-60°	13.8	2.2
60°-70°	1.7	0.3
70°-80°	0.5	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°	338.9	54.4
0°-40°	517.7	83.1
0°-60°	620.9	99.7
0°-90°	623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	623.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	382	
5°	387	37
15°	416	118
25°	404	184
35°	290	179
45°	112	89
55°	11	14
65°	1	2
75°	1	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	381.7
2.5°	383.1
5°	386.7
7.5°	392.4
10°	399.6
12.5°	408.8
15°	416.0
17.5°	421.7
20°	422.4
22.5°	417.4
25°	403.9
27.5°	383.9
30°	358.9
32.5°	327.5
35°	290.4
37.5°	249.7
40°	206.9
42.5°	161.3
45°	112.0
47.5°	72.1
50°	43.5
52.5°	23.5
55°	11.4
57.5°	5.0
60°	2.9
62.5°	2.1
65°	1.4
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.7
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)