

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: P857368

Luminaire Tested: **LX4C25D010 EX4C259030 4LBWLI**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857368
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: LX4C25D010 EX4C259030 4LBWLI
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

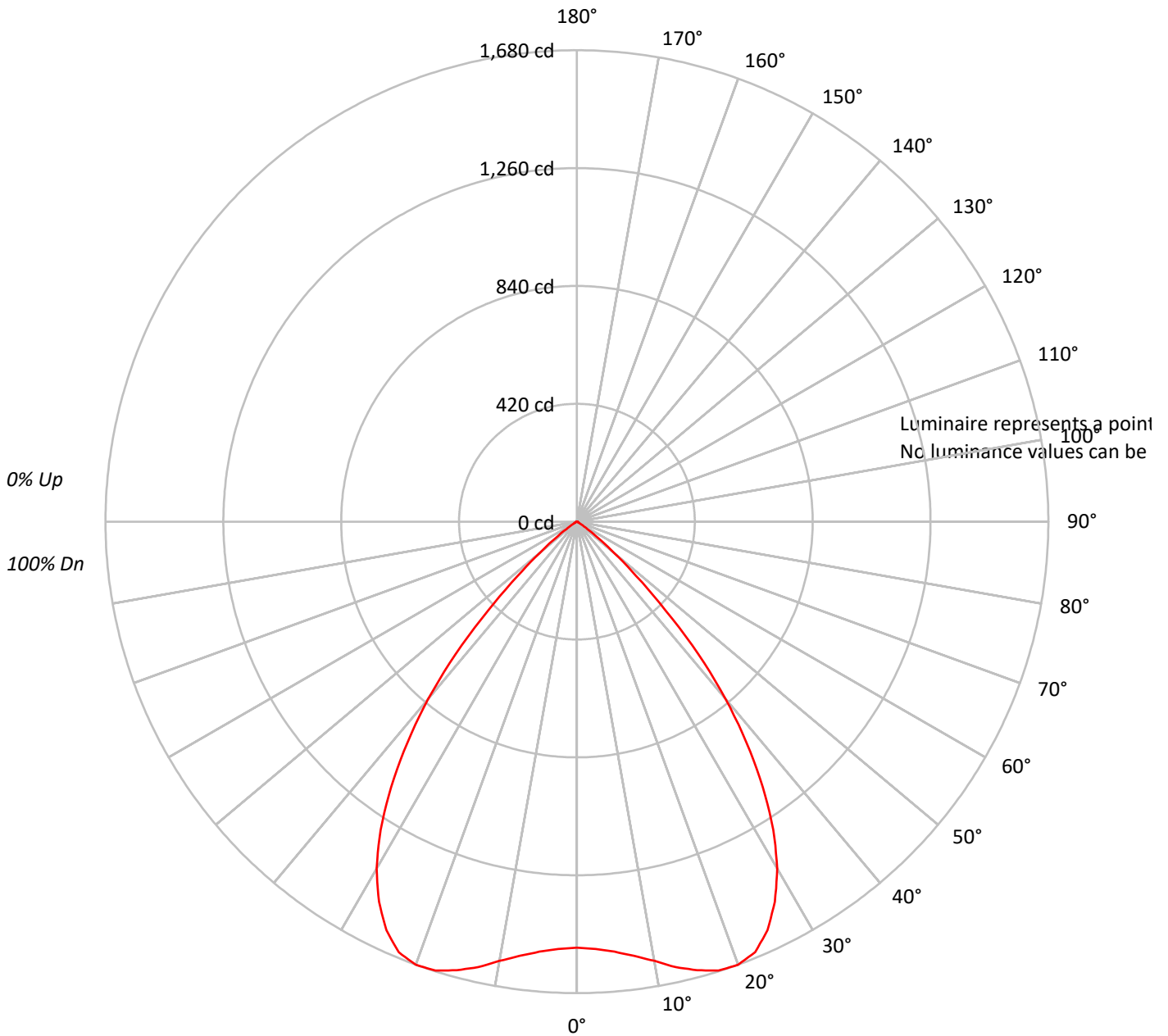
Lumens per Lamp: N/A
Luminaire Lumens: 2478.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 31.5
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

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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	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	69	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°	148.5	6.0
10°-20°	468.6	18.9
20°-30°	731.0	29.5
30°-40°	711.2	28.7
40°-50°	355.2	14.3
50°-60°	55.0	2.2
60°-70°	6.7	0.3
70°-80°	1.8	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°	1348.0	54.4
0°-40°	2059.3	83.1
0°-60°	2469.5	99.7
0°-90°	2478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2478.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1518	
5°	1538	148
15°	1654	469
25°	1606	731
35°	1155	711
45°	446	355
55°	46	55
65°	6	7
75°	3	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1518.3
2.5°	1523.9
5°	1538.1
7.5°	1560.9
10°	1589.3
12.5°	1626.1
15°	1654.5
17.5°	1677.3
20°	1680.1
22.5°	1660.2
25°	1606.3
27.5°	1526.8
30°	1427.5
32.5°	1302.7
35°	1155.1
37.5°	993.2
40°	823.0
42.5°	641.4
45°	445.6
47.5°	286.6
50°	173.1
52.5°	93.6
55°	45.5
57.5°	19.9
60°	11.4
62.5°	8.5
65°	5.7
67.5°	5.7
70°	2.8
72.5°	2.8
75°	2.8
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)