

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: P857300

Luminaire Tested: **LX4C20D010 EX4C209030 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C20D010 EX4C209030 4LBSLI
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

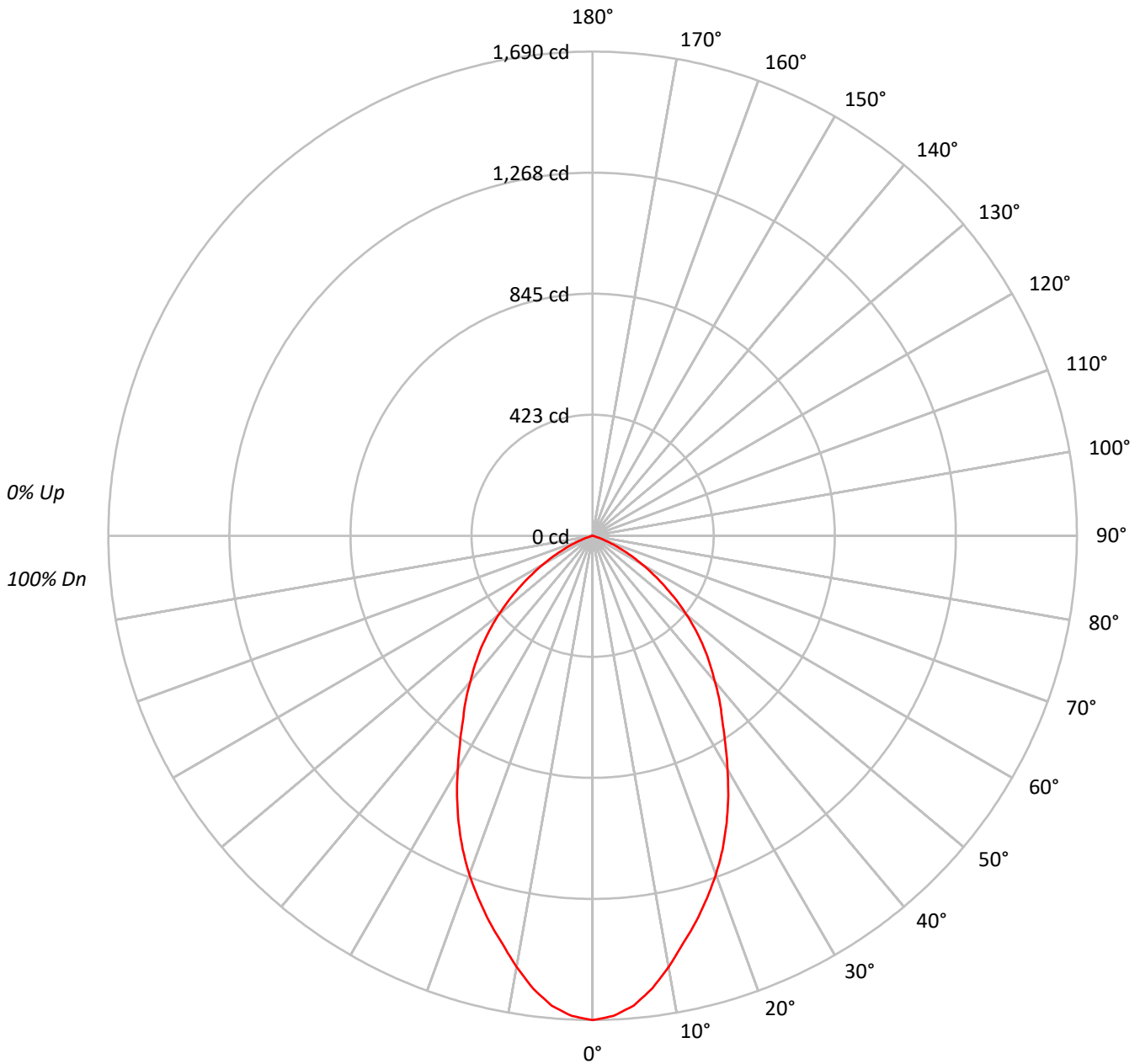
Lumens per Lamp: N/A
Luminaire Lumens: 2367.5 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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				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			
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80			
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57			
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	207684
5°	202977
10°	190616
15°	177337
20°	164468
25°	149936
30°	133489
35°	118316
40°	106344
45°	95175
50°	81649
55°	65692
60°	48945
65°	31250
70°	15050
75°	2468
80°	1839
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	6.5
10°-20°	390.9	16.5
20°-30°	506.6	21.4
30°-40°	496.4	21.0
40°-50°	420.7	17.8
50°-60°	275.8	11.6
60°-70°	110.9	4.7
70°-80°	12.6	0.5
80°-90°	0.4	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°	1050.8	44.4
0°-40°	1547.1	65.3
0°-60°	2243.7	94.8
0°-90°	2367.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2367.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1690	
5°	1646	153
15°	1394	391
25°	1106	507
35°	789	496
45°	548	421
55°	307	276
65°	108	111
75°	5	13
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1690.5
2.5°	1677.4
5°	1645.9
7.5°	1593.5
10°	1528.0
12.5°	1457.2
15°	1394.3
17.5°	1326.2
20°	1258.0
22.5°	1184.7
25°	1106.1
27.5°	1024.7
30°	941.0
32.5°	862.3
35°	788.9
37.5°	728.6
40°	663.1
42.5°	605.4
45°	547.8
47.5°	487.5
50°	427.2
52.5°	366.9
55°	306.7
57.5°	251.6
60°	199.2
62.5°	152.0
65°	107.5
67.5°	70.8
70°	41.9
72.5°	18.3
75°	5.2
77.5°	2.6
80°	2.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)