

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: P839238

Luminaire Tested: **LD4C25D010 EU4259027 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839238
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: LD4C25D010 EU4259027 4LBSLI
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

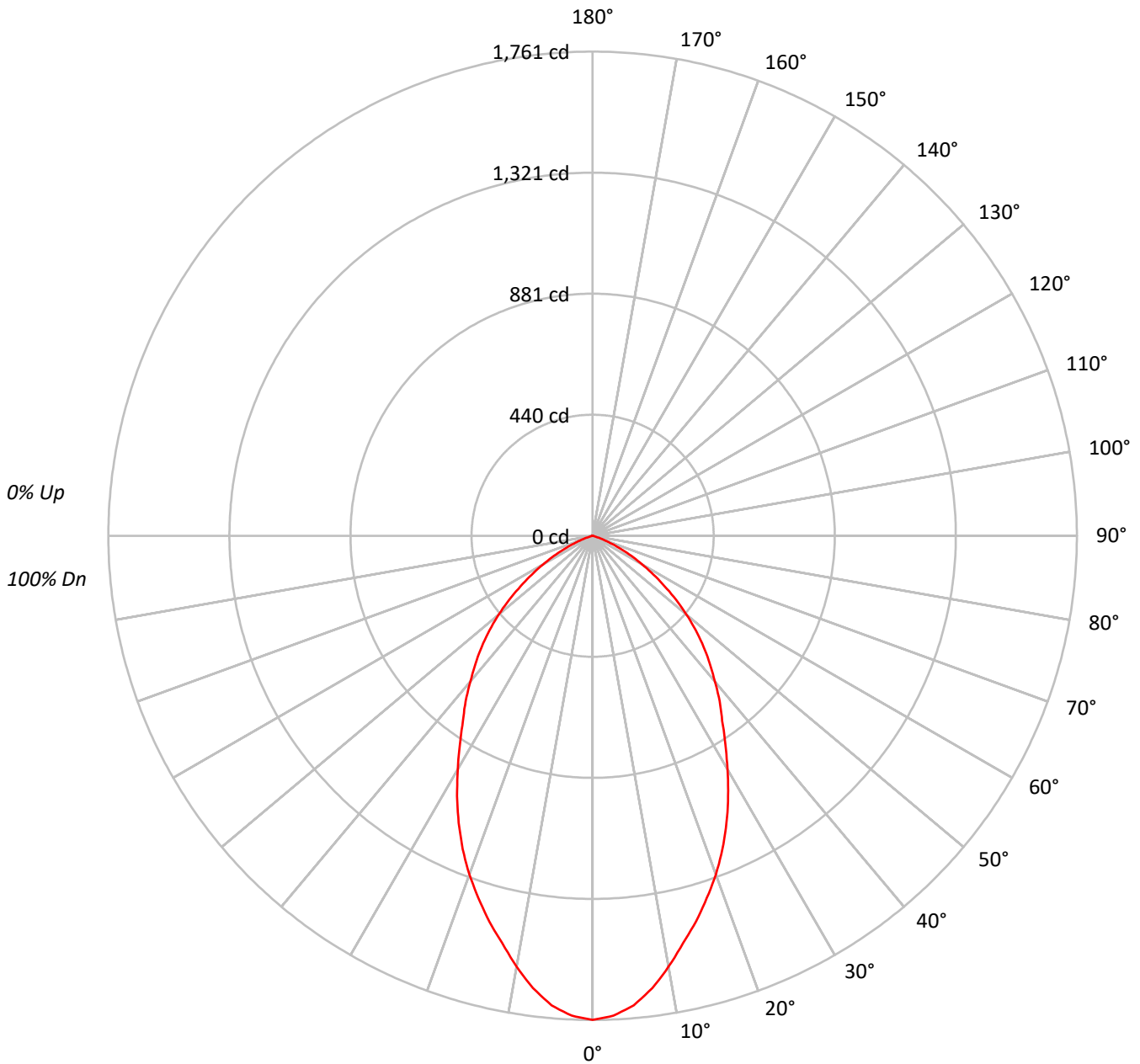
Lumens per Lamp: N/A
Luminaire Lumens: 2466.1 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	216320
5°	211425
10°	198538
15°	184714
20°	171319
25°	156172
30°	139036
35°	123236
40°	110770
45°	99137
50°	85051
55°	68412
60°	50984
65°	32529
70°	15697
75°	2611
80°	1910
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.7	6.5
10°-20°	407.2	16.5
20°-30°	527.7	21.4
30°-40°	517.0	21.0
40°-50°	438.2	17.8
50°-60°	287.3	11.6
60°-70°	115.5	4.7
70°-80°	13.2	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°	1094.5	44.4
0°-40°	1611.5	65.3
0°-60°	2337.0	94.8
0°-90°	2466.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2466.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1761	
5°	1714	160
15°	1452	407
25°	1152	528
35°	822	517
45°	571	438
55°	319	287
65°	112	115
75°	6	13
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1760.8
2.5°	1747.1
5°	1714.4
7.5°	1659.8
10°	1591.5
12.5°	1517.8
15°	1452.3
17.5°	1381.4
20°	1310.4
22.5°	1234.0
25°	1152.1
27.5°	1067.4
30°	980.1
32.5°	898.2
35°	821.7
37.5°	758.9
40°	690.7
42.5°	630.6
45°	570.6
47.5°	507.8
50°	445.0
52.5°	382.2
55°	319.4
57.5°	262.1
60°	207.5
62.5°	158.3
65°	111.9
67.5°	73.7
70°	43.7
72.5°	19.1
75°	5.5
77.5°	2.7
80°	2.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)