

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: P839388

Luminaire Tested: **LD4C75D010 EU4759027 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839388  
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: LD4C75D010 EU4759027 4LBSLI  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

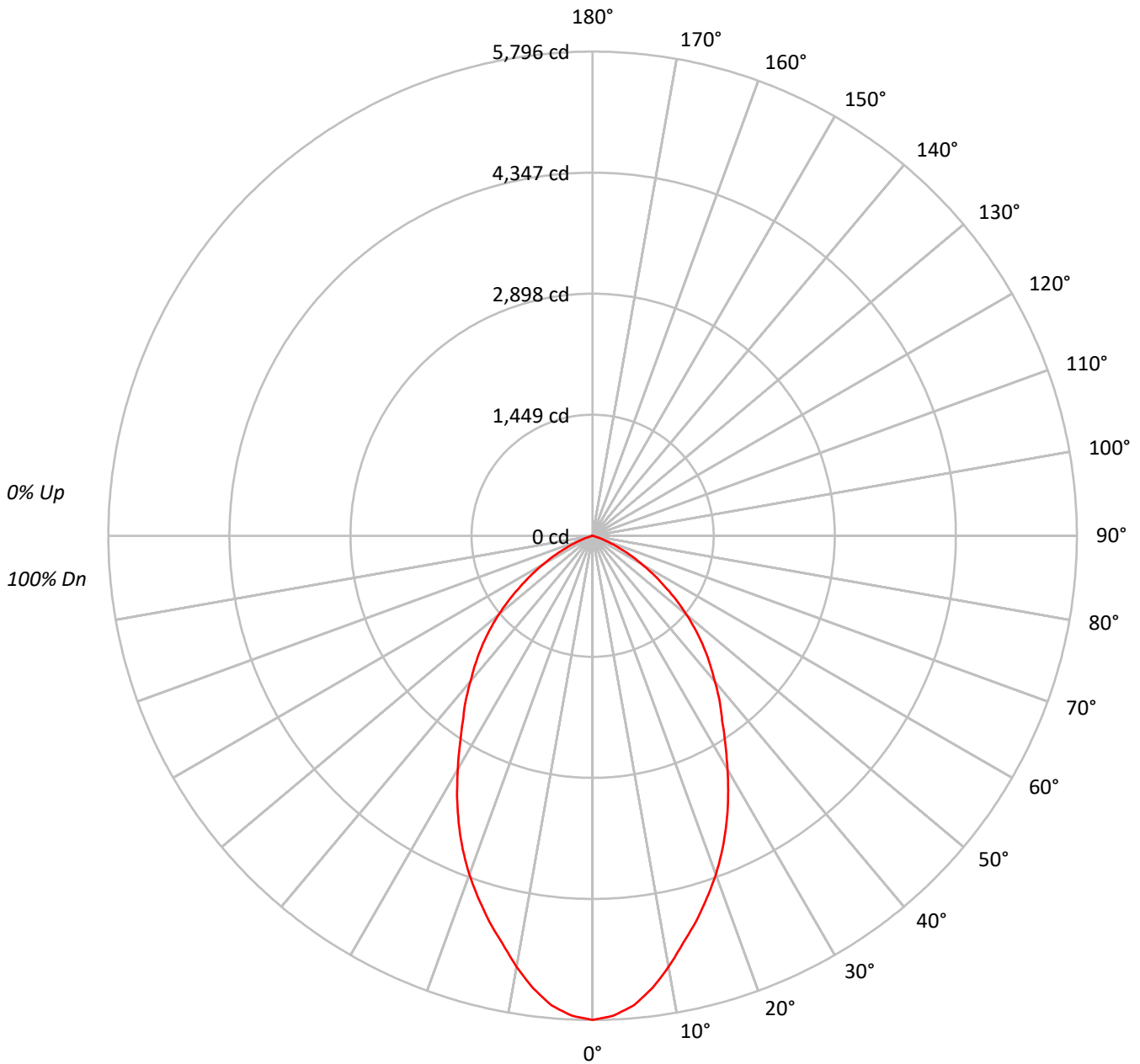
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8117.0 lumens  
Efficiency: N/A  
Efficacy: 99.6 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): 81.5  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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			100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80			80
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71			71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57			57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51			51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36			36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	712034
5°	695910
10°	653508
15°	608006
20°	563899
25°	514034
30°	457637
35°	405626
40°	364578
45°	326303
50°	279923
55°	225176
60°	167793
65°	107122
70°	51617
75°	8544
80°	6297
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	525.5	6.5
10°-20°	1340.3	16.5
20°-30°	1736.8	21.4
30°-40°	1701.7	21.0
40°-50°	1442.4	17.8
50°-60°	945.5	11.6
60°-70°	380.1	4.7
70°-80°	43.4	0.5
80°-90°	1.2	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°	3602.6	44.4
0°-40°	5304.4	65.3
0°-60°	7692.3	94.8
0°-90°	8117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8117.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5796	
5°	5643	526
15°	4780	1340
25°	3792	1737
35°	2705	1702
45°	1878	1442
55°	1051	946
65°	368	380
75°	18	43
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5795.8
2.5°	5750.8
5°	5643.0
7.5°	5463.2
10°	5238.6
12.5°	4996.0
15°	4780.4
17.5°	4546.9
20°	4313.2
22.5°	4061.6
25°	3792.1
27.5°	3513.4
30°	3226.0
32.5°	2956.4
35°	2704.6
37.5°	2498.1
40°	2273.3
42.5°	2075.7
45°	1878.1
47.5°	1671.4
50°	1464.6
52.5°	1258.1
55°	1051.3
57.5°	862.6
60°	682.9
62.5°	521.1
65°	368.5
67.5°	242.6
70°	143.7
72.5°	62.8
75°	18.0
77.5°	8.9
80°	8.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)