

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: P839870

Luminaire Tested: **LDS4C25D010 EU4259035 4LBSB**

Issue Date: 8/24/2022

**Test Information**

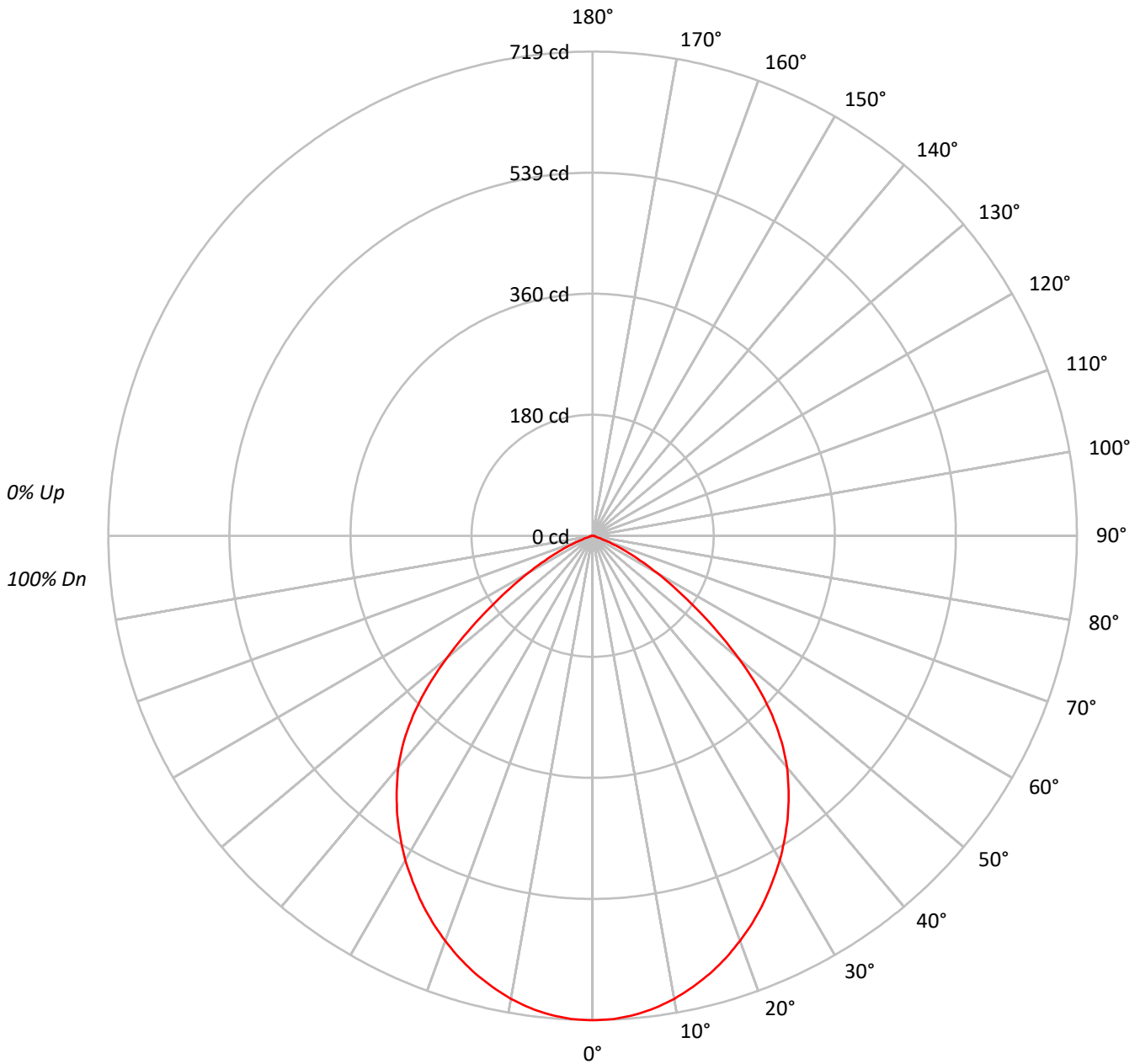
Test Method: LM-79-08  
Report Number: P839870  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C25D010 EU4259035 4LBSB  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBS TRIM WITH B FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1370.1 lumens  
Efficiency: N/A  
Efficacy: 43.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.5  
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	100	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70	70	70	70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62	62	62	62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55	55	55	55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40	40	40	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36	36	36	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33	33	33	33

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

	0°
0°	88381
5°	88077
10°	87112
15°	85610
20°	83685
25°	81454
30°	78888
35°	75843
40°	72024
45°	65483
50°	54070
55°	39818
60°	27028
65°	15814
70°	6250
75°	1424
80°	1839
85°	3101



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.7	4.9
10°-20°	189.5	13.8
20°-30°	276.5	20.2
30°-40°	315.6	23.0
40°-50°	286.9	20.9
50°-60°	169.2	12.4
60°-70°	56.7	4.1
70°-80°	6.0	0.4
80°-90°	2.1	0.2
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°	533.7	39.0
0°-40°	849.2	62.0
0°-60°	1305.3	95.3
0°-90°	1370.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1370.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	719	
5°	714	68
15°	673	190
25°	601	276
35°	506	316
45°	377	287
55°	186	169
65°	54	57
75°	3	6
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	719.4
2.5°	718.3
5°	714.2
7.5°	707.5
10°	698.3
12.5°	686.4
15°	673.1
17.5°	657.5
20°	640.1
22.5°	621.3
25°	600.9
27.5°	578.7
30°	556.1
32.5°	531.3
35°	505.7
37.5°	478.0
40°	449.1
42.5°	415.4
45°	376.9
47.5°	332.5
50°	282.9
52.5°	233.2
55°	185.9
57.5°	145.5
60°	110.0
62.5°	79.6
65°	54.4
67.5°	33.3
70°	17.4
72.5°	6.7
75°	3.0
77.5°	3.0
80°	2.6
82.5°	2.2
85°	2.2
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)