

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: P839872

Luminaire Tested: **LDS4C25D010 EU4259035 4LBSH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C25D010 EU4259035 4LBSH  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

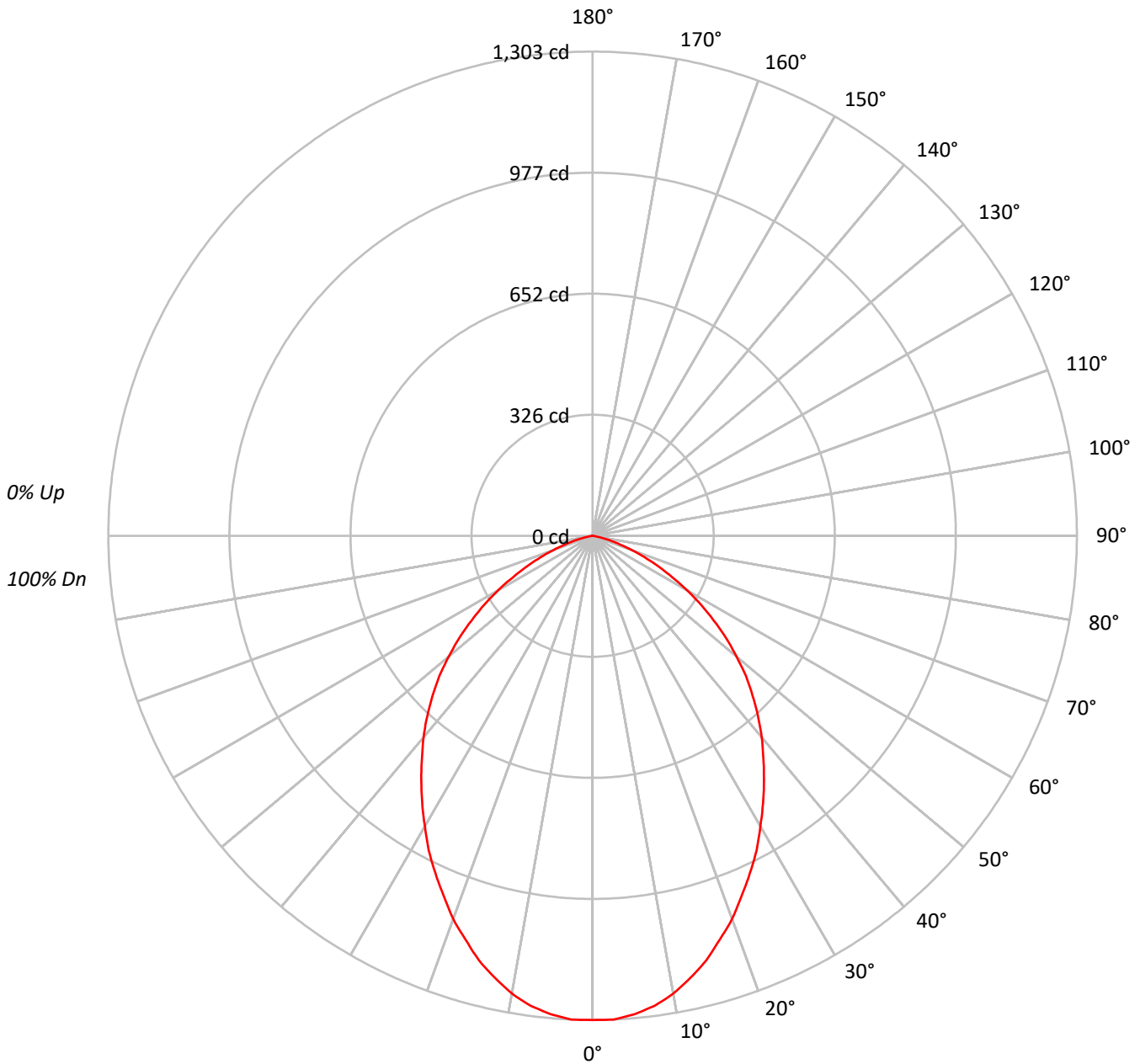
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2492.0 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

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

	0°
0°	160115
5°	159370
10°	156086
15°	150412
20°	143485
25°	135757
30°	128056
35°	120566
40°	113529
45°	105826
50°	96500
55°	85226
60°	72140
65°	56628
70°	40410
75°	22167
80°	3891
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.1	4.9
10°-20°	331.8	13.3
20°-30°	460.8	18.5
30°-40°	502.8	20.2
40°-50°	469.1	18.8
50°-60°	356.0	14.3
60°-70°	195.0	7.8
70°-80°	53.6	2.2
80°-90°	0.7	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°	914.7	36.7
0°-40°	1417.5	56.9
0°-60°	2242.6	90.0
0°-90°	2492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2492.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1303	
5°	1292	122
15°	1183	332
25°	1002	461
35°	804	503
45°	609	469
55°	398	356
65°	195	195
75°	47	54
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1303.3
2.5°	1303.3
5°	1292.3
7.5°	1275.9
10°	1251.2
12.5°	1218.3
15°	1182.6
17.5°	1138.7
20°	1097.5
22.5°	1048.1
25°	1001.5
27.5°	954.9
30°	902.7
32.5°	853.3
35°	803.9
37.5°	754.5
40°	707.9
42.5°	658.5
45°	609.1
47.5°	559.7
50°	504.9
52.5°	452.7
55°	397.9
57.5°	345.7
60°	293.6
62.5°	241.5
65°	194.8
67.5°	150.9
70°	112.5
72.5°	76.8
75°	46.7
77.5°	21.9
80°	5.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)