

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: P839974

Luminaire Tested: **LDS4C35D010 EU4359035 4LBSWH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839974  
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: LDS4C35D010 EU4359035 4LBSWH  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBS TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

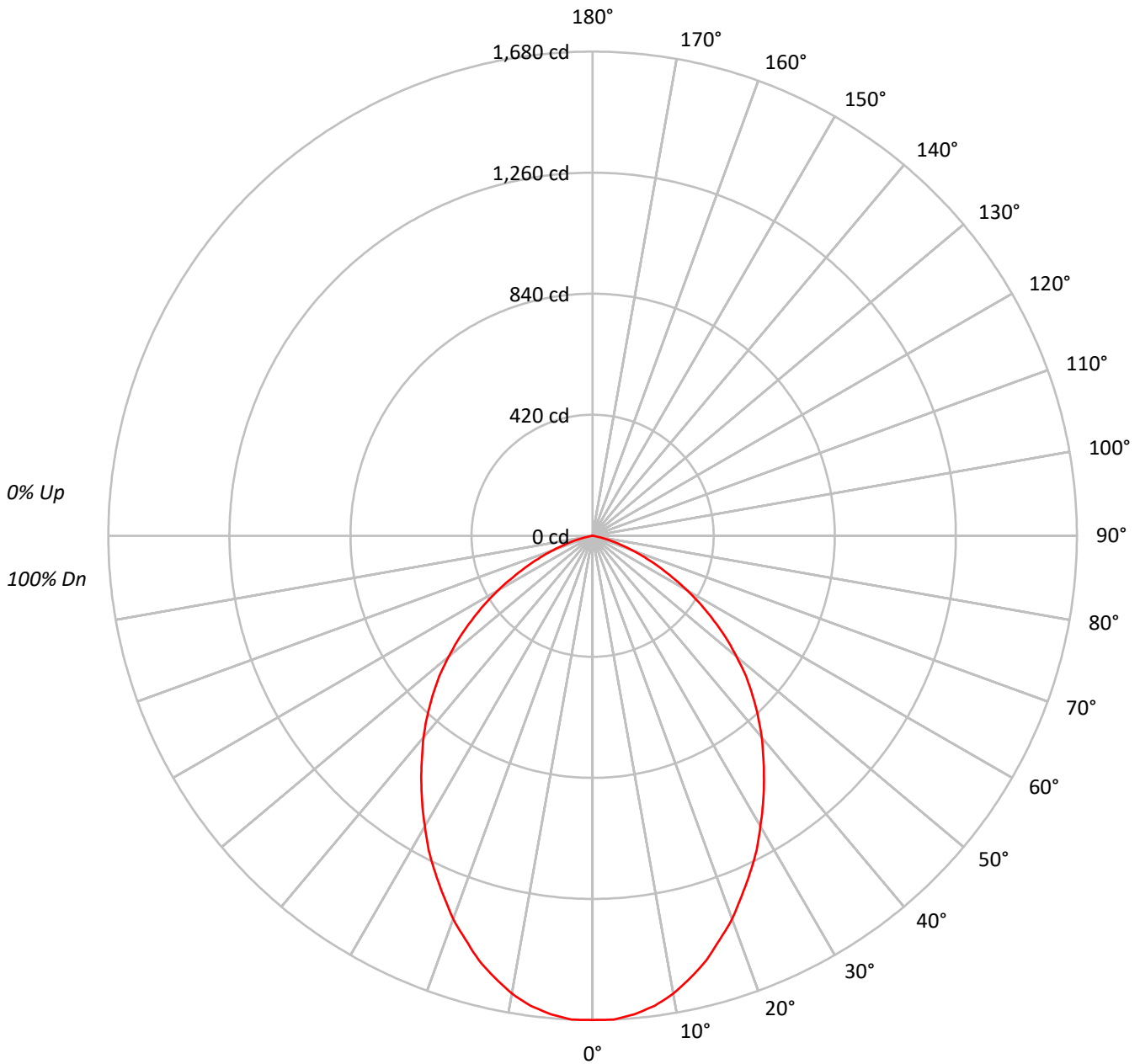
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3213.0 lumens  
Efficiency: N/A  
Efficacy: 79.5 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): 40.4  
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°	206443
5°	205480
10°	201245
15°	193922
20°	185007
25°	175027
30°	165110
35°	155451
40°	146373
45°	136439
50°	124423
55°	109879
60°	93000
65°	73023
70°	52120
75°	28575
80°	5023
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.4	4.9
10°-20°	427.8	13.3
20°-30°	594.1	18.5
30°-40°	648.3	20.2
40°-50°	604.8	18.8
50°-60°	459.1	14.3
60°-70°	251.3	7.8
70°-80°	69.2	2.2
80°-90°	1.0	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°	1179.3	36.7
0°-40°	1827.7	56.9
0°-60°	2891.5	90.0
0°-90°	3213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3213.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1680	
5°	1666	157
15°	1525	428
25°	1291	594
35°	1036	648
45°	785	605
55°	513	459
65°	251	251
75°	60	69
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1680.4
2.5°	1680.4
5°	1666.2
7.5°	1645.1
10°	1613.2
12.5°	1570.8
15°	1524.7
17.5°	1468.2
20°	1415.1
22.5°	1351.4
25°	1291.2
27.5°	1231.1
30°	1163.9
32.5°	1100.2
35°	1036.5
37.5°	972.8
40°	912.7
42.5°	849.0
45°	785.3
47.5°	721.7
50°	651.0
52.5°	583.7
55°	513.0
57.5°	445.7
60°	378.5
62.5°	311.3
65°	251.2
67.5°	194.5
70°	145.1
72.5°	99.1
75°	60.2
77.5°	28.3
80°	7.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)