

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: P839978

Luminaire Tested: **LDS4C35D010 EU4359040 4LBPSMB**

Issue Date: 8/24/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P839978  
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: LDS4C35D010 EU4359040 4LBPSMB  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

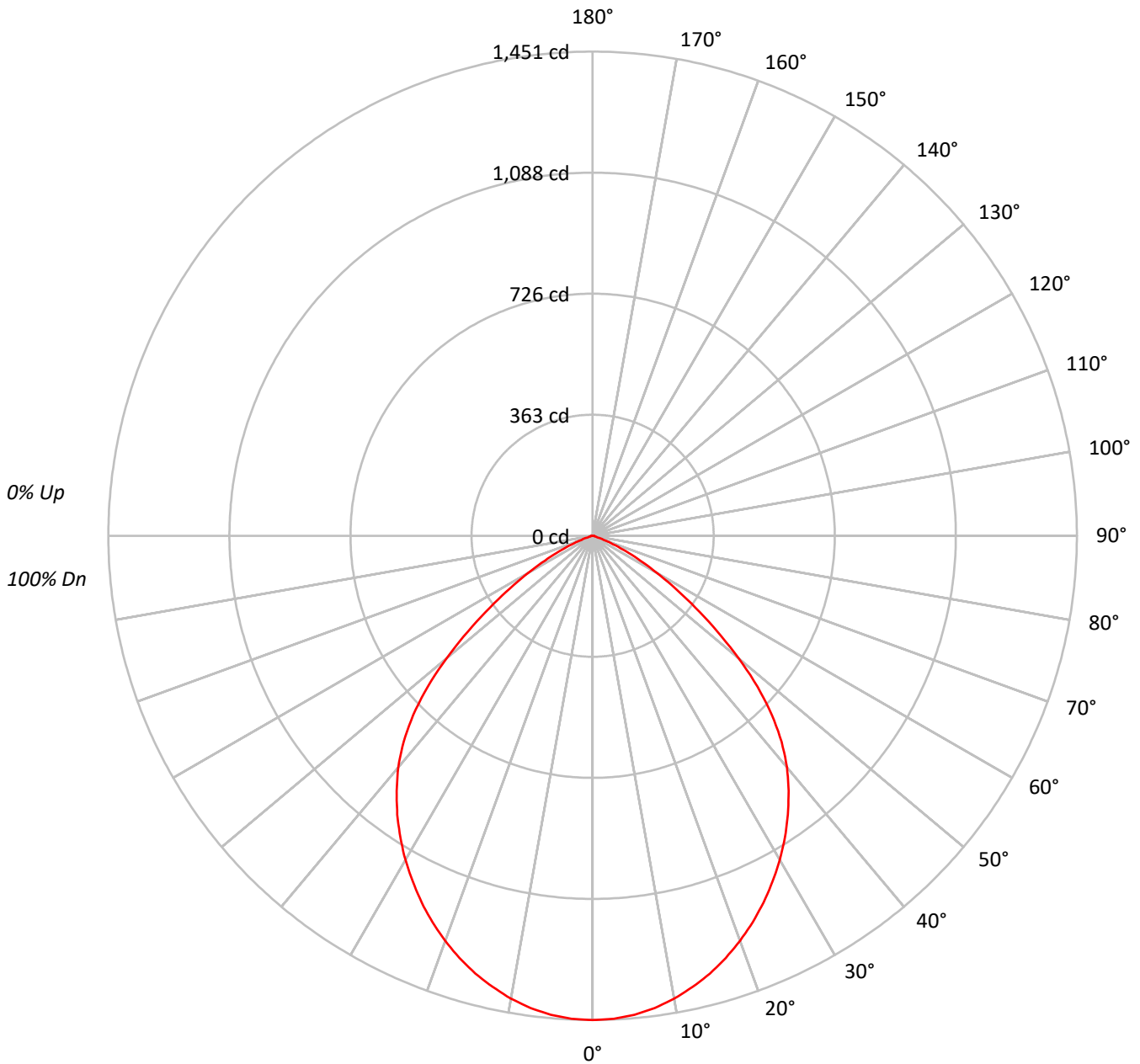
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2764.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 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): 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									
RC	80									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	100	102	99	97	98	96	94	94	93	92	90																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70																			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62																			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55																			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49																			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33																			

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

	0°
0°	178297
5°	177696
10°	175733
15°	172720
20°	168848
25°	164332
30°	159152
35°	153021
40°	145315
45°	132113
50°	109076
55°	80321
60°	54498
65°	31918
70°	12608
75°	2848
80°	3679
85°	6343



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.5	4.9
10°-20°	382.4	13.8
20°-30°	557.7	20.2
30°-40°	636.6	23.0
40°-50°	578.8	20.9
50°-60°	341.4	12.4
60°-70°	114.5	4.1
70°-80°	12.0	0.4
80°-90°	4.2	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°	1076.6	39.0
0°-40°	1713.3	62.0
0°-60°	2633.4	95.3
0°-90°	2764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2764.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1451	
5°	1441	137
15°	1358	382
25°	1212	558
35°	1020	637
45°	760	579
55°	375	341
65°	110	114
75°	6	12
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1451.3
2.5°	1449.1
5°	1440.9
7.5°	1427.4
10°	1408.7
12.5°	1384.8
15°	1358.0
17.5°	1326.6
20°	1291.5
22.5°	1253.4
25°	1212.3
27.5°	1167.5
30°	1121.9
32.5°	1071.9
35°	1020.3
37.5°	964.3
40°	906.1
42.5°	838.1
45°	760.4
47.5°	670.8
50°	570.7
52.5°	470.6
55°	375.0
57.5°	293.6
60°	221.8
62.5°	160.6
65°	109.8
67.5°	67.2
70°	35.1
72.5°	13.4
75°	6.0
77.5°	6.0
80°	5.2
82.5°	4.5
85°	4.5
87.5°	3.7
90°	0.0



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— 0°-180°







(END OF REPORT)