

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: P839958

Luminaire Tested: **LDS4C35D010 EU4359030 4LBPSMB**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839958  
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 EU4359030 4LBPSMB  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

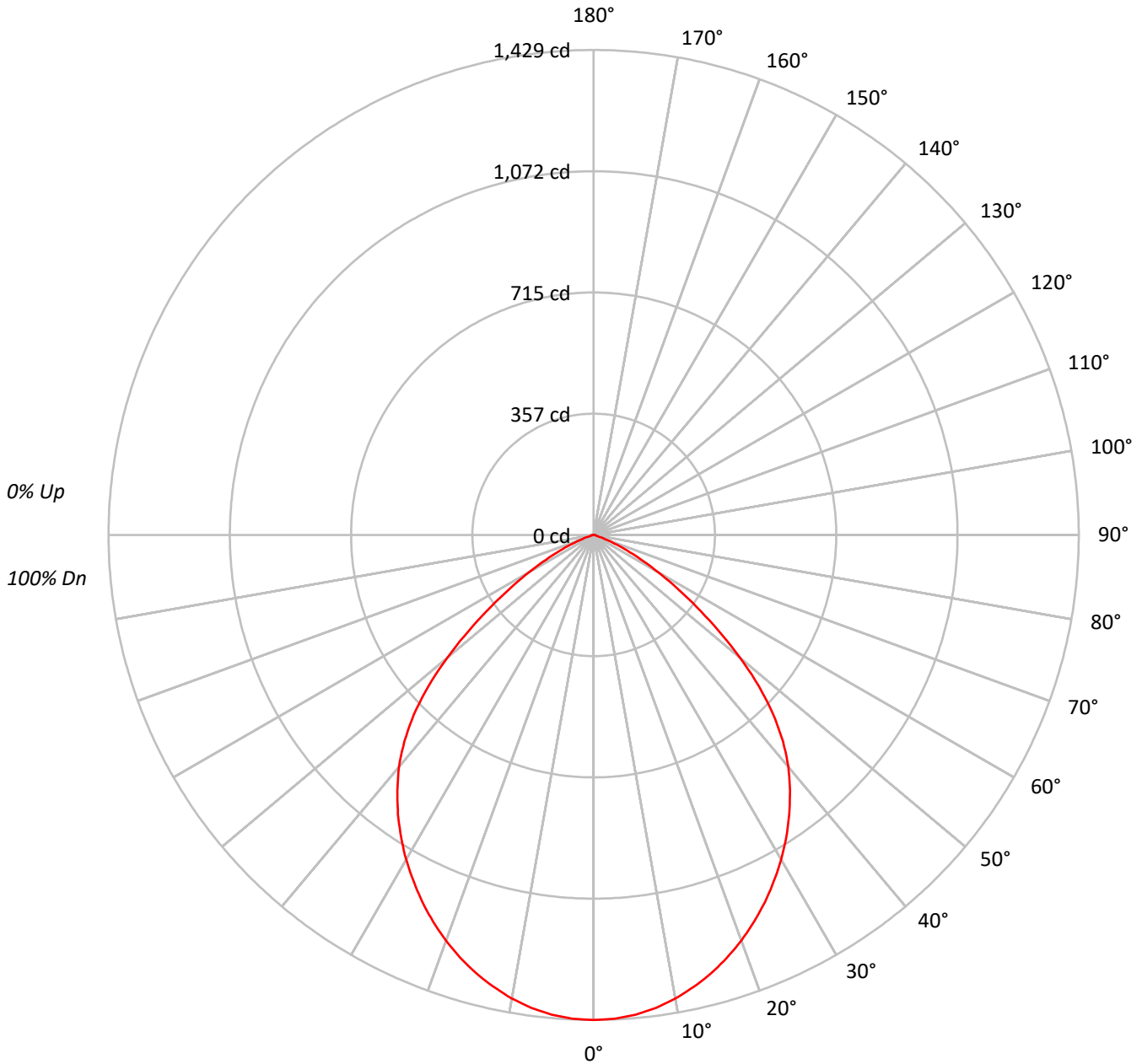
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2722.0 lumens  
Efficiency: N/A  
Efficacy: 67.4 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				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	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			33

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

	0°
0°	175594
5°	174995
10°	173064
15°	170088
20°	166286
25°	161838
30°	156740
35°	150696
40°	143102
45°	130097
50°	107413
55°	79100
60°	53687
65°	31424
70°	12428
75°	2801
80°	3608
85°	6202



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.4	4.9
10°-20°	376.6	13.8
20°-30°	549.3	20.2
30°-40°	627.0	23.0
40°-50°	570.0	20.9
50°-60°	336.2	12.4
60°-70°	112.7	4.1
70°-80°	11.8	0.4
80°-90°	4.1	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°	1060.3	39.0
0°-40°	1687.2	62.0
0°-60°	2593.4	95.3
0°-90°	2722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2722.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1429	
5°	1419	134
15°	1337	377
25°	1194	549
35°	1005	627
45°	749	570
55°	369	336
65°	108	113
75°	6	12
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1429.3
2.5°	1427.1
5°	1419.0
7.5°	1405.7
10°	1387.3
12.5°	1363.8
15°	1337.3
17.5°	1306.4
20°	1271.9
22.5°	1234.3
25°	1193.9
27.5°	1149.7
30°	1104.9
32.5°	1055.6
35°	1004.8
37.5°	949.7
40°	892.3
42.5°	825.3
45°	748.8
47.5°	660.6
50°	562.0
52.5°	463.4
55°	369.3
57.5°	289.1
60°	218.5
62.5°	158.2
65°	108.1
67.5°	66.2
70°	34.6
72.5°	13.2
75°	5.9
77.5°	5.9
80°	5.1
82.5°	4.4
85°	4.4
87.5°	3.7
90°	0.0



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— 0°-180°







(END OF REPORT)