

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: P839966

Luminaire Tested: **LDS4C35D010 EU4359035 4LBCSMB**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839966  
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 EU4359035 4LBCSMB  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBCS TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

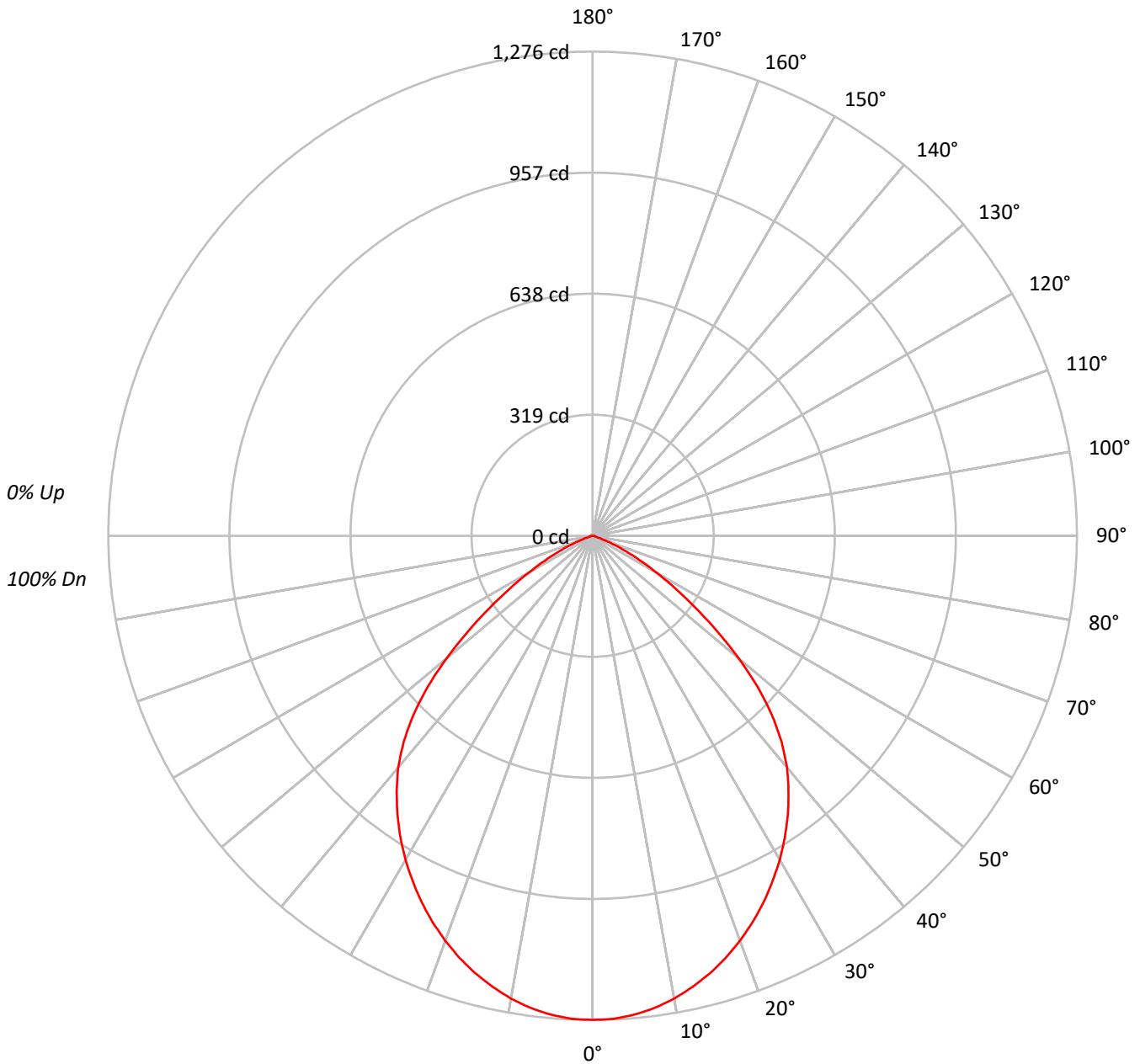
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2430.0 lumens  
Efficiency: N/A  
Efficacy: 60.1 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
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°	156749
5°	156225
10°	154501
15°	151849
20°	148440
25°	144473
30°	139916
35°	134529
40°	127754
45°	116146
50°	95888
55°	70618
60°	47913
65°	28052
70°	11099
75°	2516
80°	3254
85°	5497



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.0	4.9
10°-20°	336.2	13.8
20°-30°	490.3	20.2
30°-40°	559.7	23.0
40°-50°	508.8	20.9
50°-60°	300.1	12.4
60°-70°	100.6	4.1
70°-80°	10.5	0.4
80°-90°	3.7	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°	946.5	39.0
0°-40°	1506.2	62.0
0°-60°	2315.2	95.3
0°-90°	2430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2430.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1276	
5°	1267	120
15°	1194	336
25°	1066	490
35°	897	560
45°	668	509
55°	330	300
65°	96	101
75°	5	11
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1275.9
2.5°	1274.0
5°	1266.8
7.5°	1254.9
10°	1238.5
12.5°	1217.5
15°	1193.9
17.5°	1166.3
20°	1135.4
22.5°	1101.9
25°	1065.8
27.5°	1026.4
30°	986.3
32.5°	942.3
35°	897.0
37.5°	847.8
40°	796.6
42.5°	736.8
45°	668.5
47.5°	589.7
50°	501.7
52.5°	413.7
55°	329.7
57.5°	258.1
60°	195.0
62.5°	141.2
65°	96.5
67.5°	59.1
70°	30.9
72.5°	11.8
75°	5.3
77.5°	5.3
80°	4.6
82.5°	3.9
85°	3.9
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)