

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: P839948

Luminaire Tested: **LDS4C35D010 EU4359027 4LBPSMB**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839948  
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 EU4359027 4LBPSMB  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBPS TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

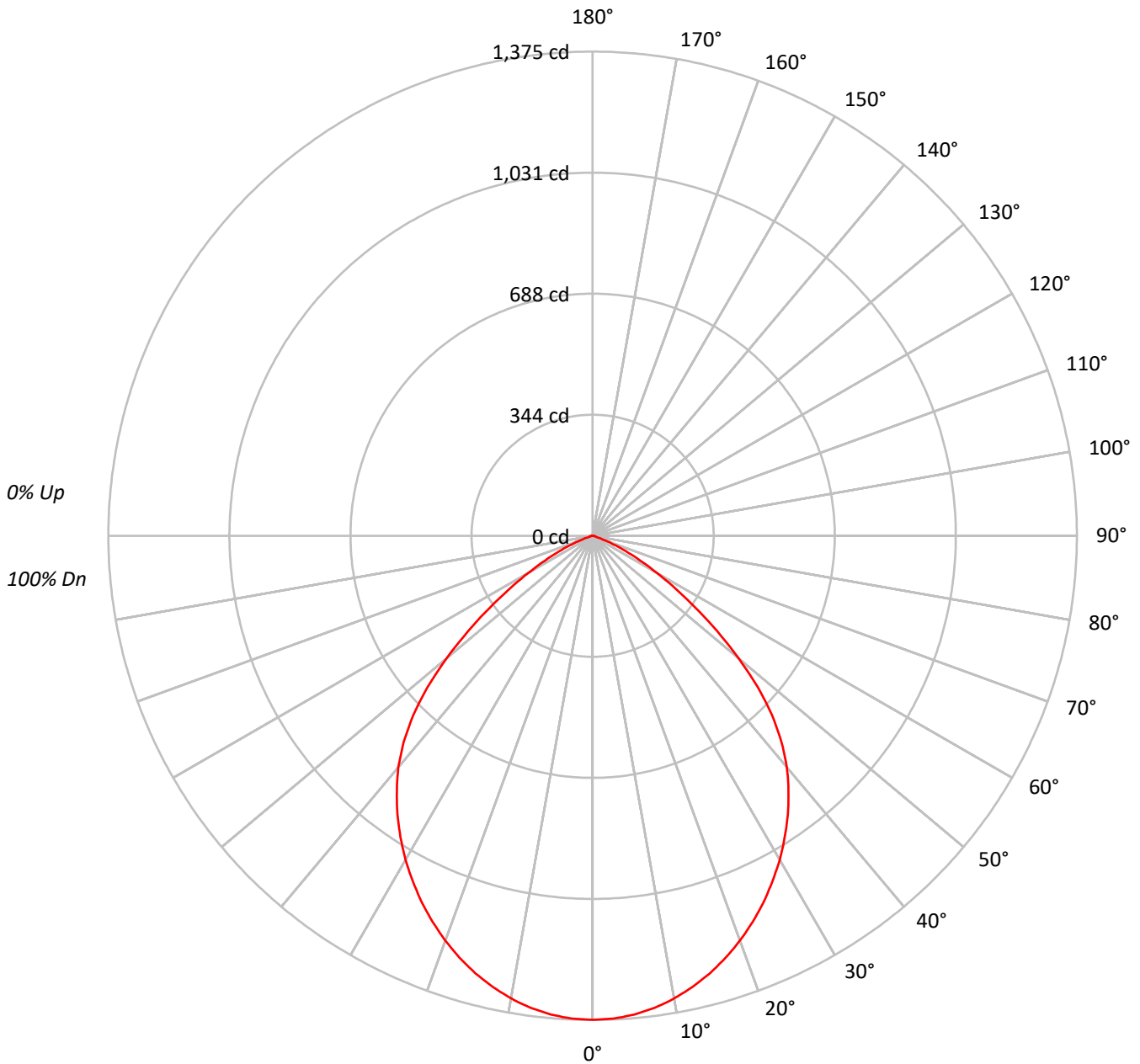
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2618.0 lumens  
Efficiency: N/A  
Efficacy: 64.8 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°	168887
5°	168311
10°	166452
15°	163588
20°	159932
25°	155656
30°	150754
35°	144937
40°	137633
45°	125128
50°	103304
55°	76080
60°	51623
65°	30232
70°	11961
75°	2706
80°	3537
85°	5920



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.3	4.9
10°-20°	362.2	13.8
20°-30°	528.3	20.2
30°-40°	603.0	23.0
40°-50°	548.2	20.9
50°-60°	323.3	12.3
60°-70°	108.4	4.1
70°-80°	11.3	0.4
80°-90°	3.9	0.1
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°	1019.8	39.0
0°-40°	1622.8	62.0
0°-60°	2494.3	95.3
0°-90°	2618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2618.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1375	
5°	1365	129
15°	1286	362
25°	1148	528
35°	966	603
45°	720	548
55°	355	323
65°	104	108
75°	6	11
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1374.7
2.5°	1372.5
5°	1364.8
7.5°	1352.0
10°	1334.3
12.5°	1311.7
15°	1286.2
17.5°	1256.5
20°	1223.3
22.5°	1187.2
25°	1148.3
27.5°	1105.8
30°	1062.7
32.5°	1015.3
35°	966.4
37.5°	913.4
40°	858.2
42.5°	793.8
45°	720.2
47.5°	635.3
50°	540.5
52.5°	445.7
55°	355.2
57.5°	278.0
60°	210.1
62.5°	152.1
65°	104.0
67.5°	63.7
70°	33.3
72.5°	12.7
75°	5.7
77.5°	5.7
80°	5.0
82.5°	4.2
85°	4.2
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)