

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: P839949

Luminaire Tested: **LDS4C35D010 EU4359027 4LBPSMMS**

Issue Date: 8/24/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P839949  
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 4LBPSMMS  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBPS TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

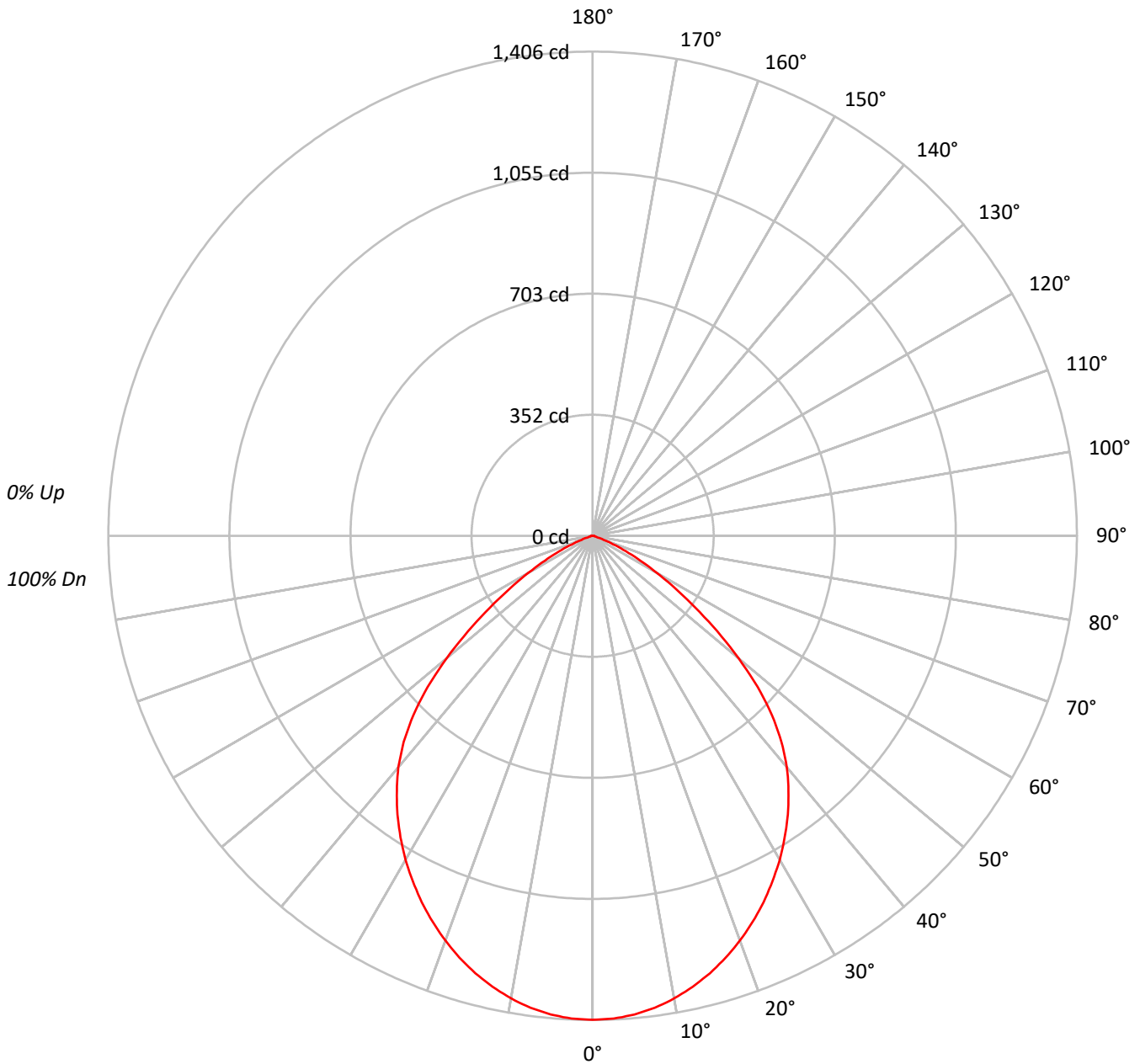
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2677.0 lumens  
Efficiency: N/A  
Efficacy: 66.3 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	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°	172683
5°	172097
10°	170207
15°	167277
20°	163527
25°	159154
30°	154144
35°	148207
40°	140728
45°	127960
50°	105635
55°	77793
60°	52802
65°	30901
70°	12213
75°	2753
80°	3608
85°	6061



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.2	4.9
10°-20°	370.3	13.8
20°-30°	540.2	20.2
30°-40°	616.6	23.0
40°-50°	560.5	20.9
50°-60°	330.6	12.4
60°-70°	110.9	4.1
70°-80°	11.6	0.4
80°-90°	4.0	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°	1042.7	39.0
0°-40°	1659.3	62.0
0°-60°	2550.5	95.3
0°-90°	2677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2677.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1406	
5°	1396	132
15°	1315	370
25°	1174	540
35°	988	617
45°	736	561
55°	363	331
65°	106	111
75°	6	12
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1405.6
2.5°	1403.5
5°	1395.5
7.5°	1382.5
10°	1364.4
12.5°	1341.3
15°	1315.2
17.5°	1284.8
20°	1250.8
22.5°	1213.9
25°	1174.1
27.5°	1130.7
30°	1086.6
32.5°	1038.1
35°	988.2
37.5°	934.0
40°	877.5
42.5°	811.7
45°	736.5
47.5°	649.6
50°	552.7
52.5°	455.8
55°	363.2
57.5°	284.3
60°	214.9
62.5°	155.5
65°	106.3
67.5°	65.1
70°	34.0
72.5°	13.0
75°	5.8
77.5°	5.8
80°	5.1
82.5°	4.3
85°	4.3
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)