

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: P840360

Luminaire Tested: **LDS4C35D010 EU4359030 4LBPSSQMB**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P840360  
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 4LBPSSQMB  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBPSSQ TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

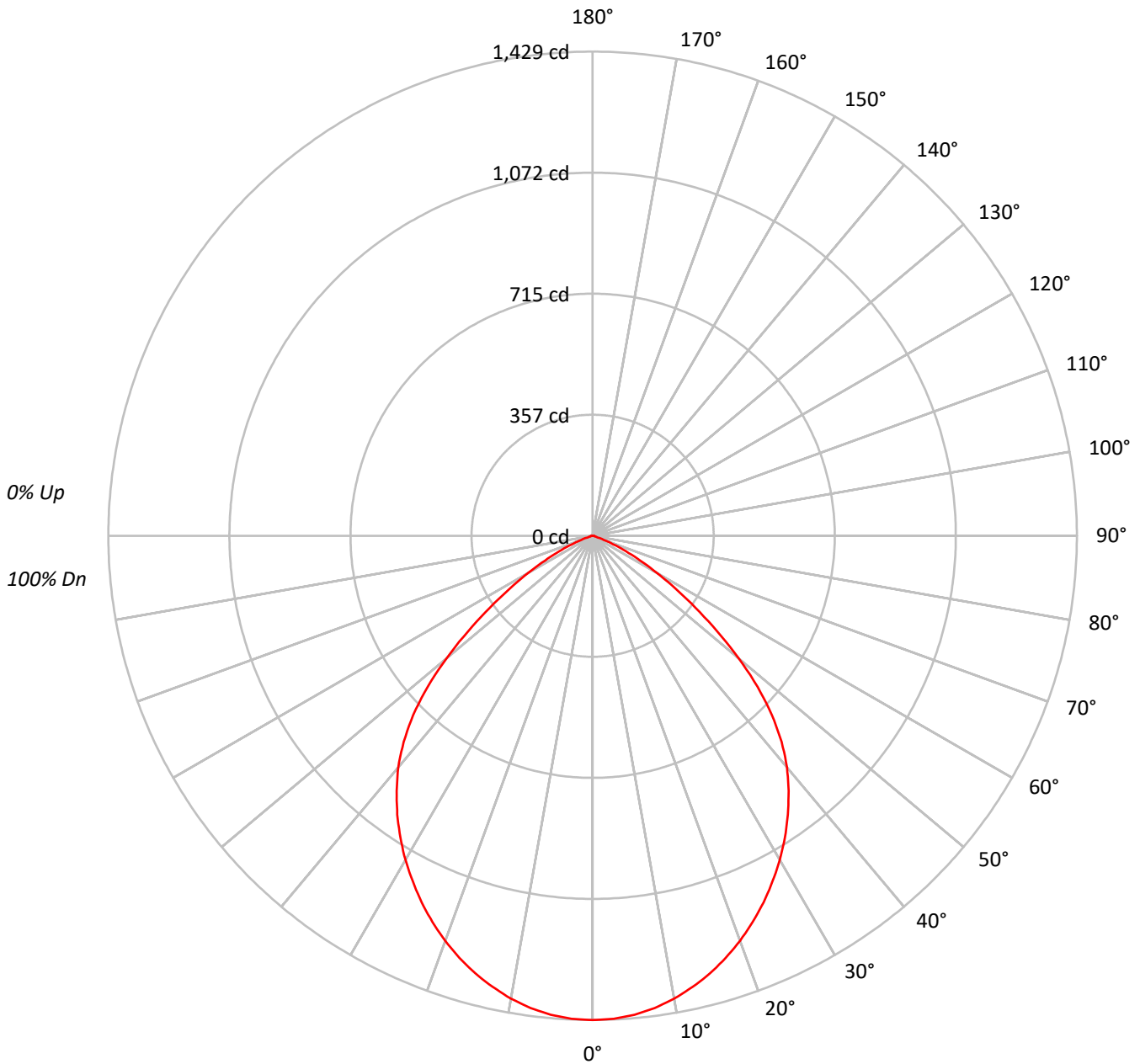
Lumens per Lamp: N/A  
Luminaire Lumens: 2722.0 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

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°	137912
5°	137441
10°	135924
15°	133586
20°	130600
25°	127107
30°	123103
35°	118357
40°	112392
45°	102178
50°	84362
55°	62125
60°	42166
65°	24681
70°	9761
75°	2200
80°	2834
85°	4871



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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



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)