

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: P840444

Luminaire Tested: **LDS4C75D010 EU4759040 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: P840444  
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: LDS4C75D010 EU4759040 4LBSSQMB  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBSSQ TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

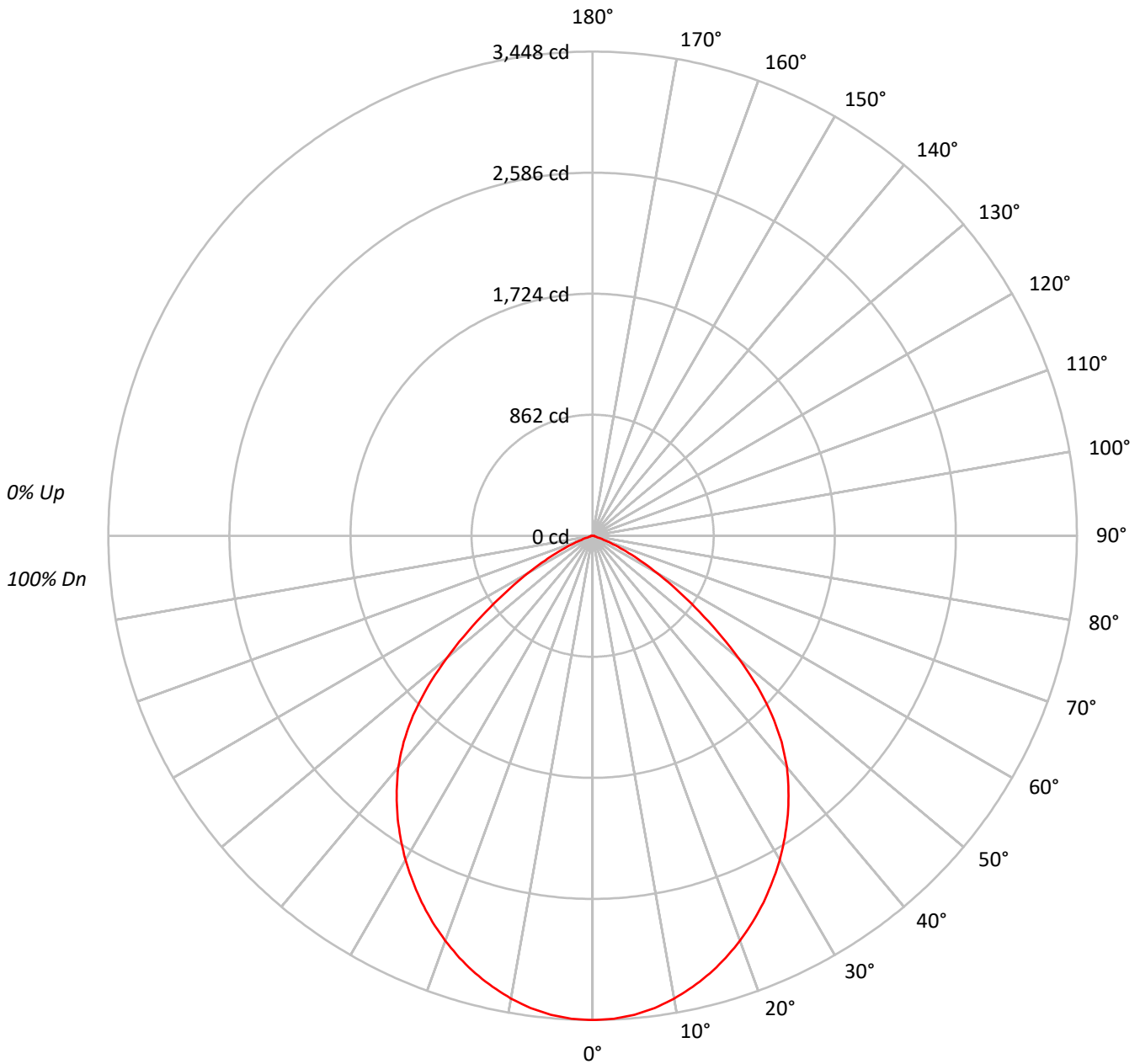
Lumens per Lamp: N/A  
Luminaire Lumens: 6567.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 81.5  
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

TEST NUMBER: P840444

CATALOG NUMBER: LDS4C75D010 EU4759040 4LBPSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P840444

CATALOG NUMBER: LDS4C75D010 EU4759040 4LBPSSQMB

**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°	332713
5°	331582
10°	327940
15°	322294
20°	315067
25°	306647
30°	296990
35°	285549
40°	271148
45°	246521
50°	203534
55°	149870
60°	101719
65°	59567
70°	23528
75°	5294
80°	6890
85°	11735



TEST NUMBER: P840444

CATALOG NUMBER: LDS4C75D010 EU4759040 4LBPSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	324.4	4.9
10°-20°	908.5	13.8
20°-30°	1325.1	20.2
30°-40°	1512.6	23.0
40°-50°	1375.1	20.9
50°-60°	811.1	12.4
60°-70°	272.0	4.1
70°-80°	28.4	0.4
80°-90°	9.9	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°	2558.0	39.0
0°-40°	4070.6	62.0
0°-60°	6256.7	95.3
0°-90°	6567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6567.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3448	
5°	3423	324
15°	3226	908
25°	2880	1325
35°	2424	1513
45°	1807	1375
55°	891	811
65°	261	272
75°	14	28
85°	11	10
90°	0	



TEST NUMBER: P840444

CATALOG NUMBER: LDS4C75D010 EU4759040 4LBPSSQMB

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3448.2
2.5°	3442.9
5°	3423.4
7.5°	3391.4
10°	3347.1
12.5°	3290.3
15°	3226.4
17.5°	3151.8
20°	3068.4
22.5°	2977.9
25°	2880.3
27.5°	2773.8
30°	2665.6
32.5°	2546.7
35°	2424.2
37.5°	2291.1
40°	2152.7
42.5°	1991.2
45°	1806.6
47.5°	1593.7
50°	1355.9
52.5°	1118.1
55°	890.9
57.5°	697.5
60°	527.1
62.5°	381.6
65°	260.9
67.5°	159.7
70°	83.4
72.5°	31.9
75°	14.2
77.5°	14.2
80°	12.4
82.5°	10.6
85°	10.6
87.5°	8.9
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)