

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: P840441

Luminaire Tested: **LDS4C75D010 EU4759030 4LBPSSQMMS**

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: P840441  
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 EU4759030 4LBPSSQMMS  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBPSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

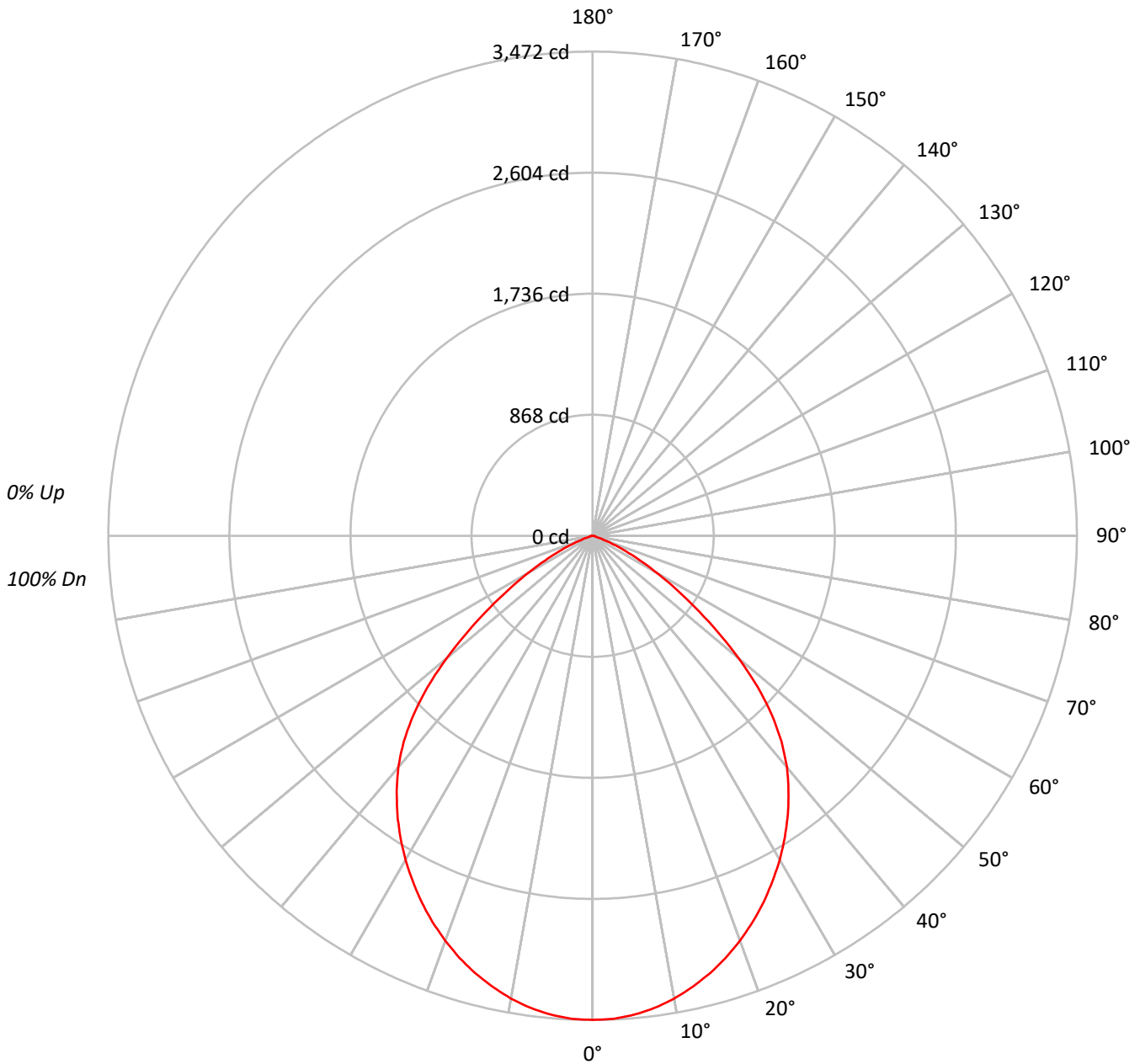
Lumens per Lamp: N/A  
Luminaire Lumens: 6611.9 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

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

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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	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°	334990
5°	333848
10°	330184
15°	324501
20°	317234
25°	308745
30°	299018
35°	287505
40°	273000
45°	248213
50°	204915
55°	150896
60°	102413
65°	59978
70°	23698
75°	5331
80°	6946
85°	11846



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.6	4.9
10°-20°	914.7	13.8
20°-30°	1334.2	20.2
30°-40°	1522.9	23.0
40°-50°	1384.5	20.9
50°-60°	816.6	12.3
60°-70°	273.9	4.1
70°-80°	28.6	0.4
80°-90°	10.0	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°	2575.5	39.0
0°-40°	4098.4	62.0
0°-60°	6299.5	95.3
0°-90°	6611.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6611.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3472	
5°	3447	327
15°	3248	915
25°	2900	1334
35°	2441	1523
45°	1819	1385
55°	897	817
65°	263	274
75°	14	29
85°	11	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3471.8
2.5°	3466.5
5°	3446.8
7.5°	3414.7
10°	3370.0
12.5°	3312.8
15°	3248.5
17.5°	3173.4
20°	3089.5
22.5°	2998.3
25°	2900.0
27.5°	2792.8
30°	2683.8
32.5°	2564.1
35°	2440.8
37.5°	2306.8
40°	2167.4
42.5°	2004.8
45°	1819.0
47.5°	1604.6
50°	1365.1
52.5°	1125.7
55°	897.0
57.5°	702.2
60°	530.7
62.5°	384.2
65°	262.7
67.5°	160.8
70°	84.0
72.5°	32.2
75°	14.3
77.5°	14.3
80°	12.5
82.5°	10.7
85°	10.7
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)