

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: P840440

Luminaire Tested: **LDS4C75D010 EU4759030 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: P840440  
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 4LBSSQMB  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBSSQ TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

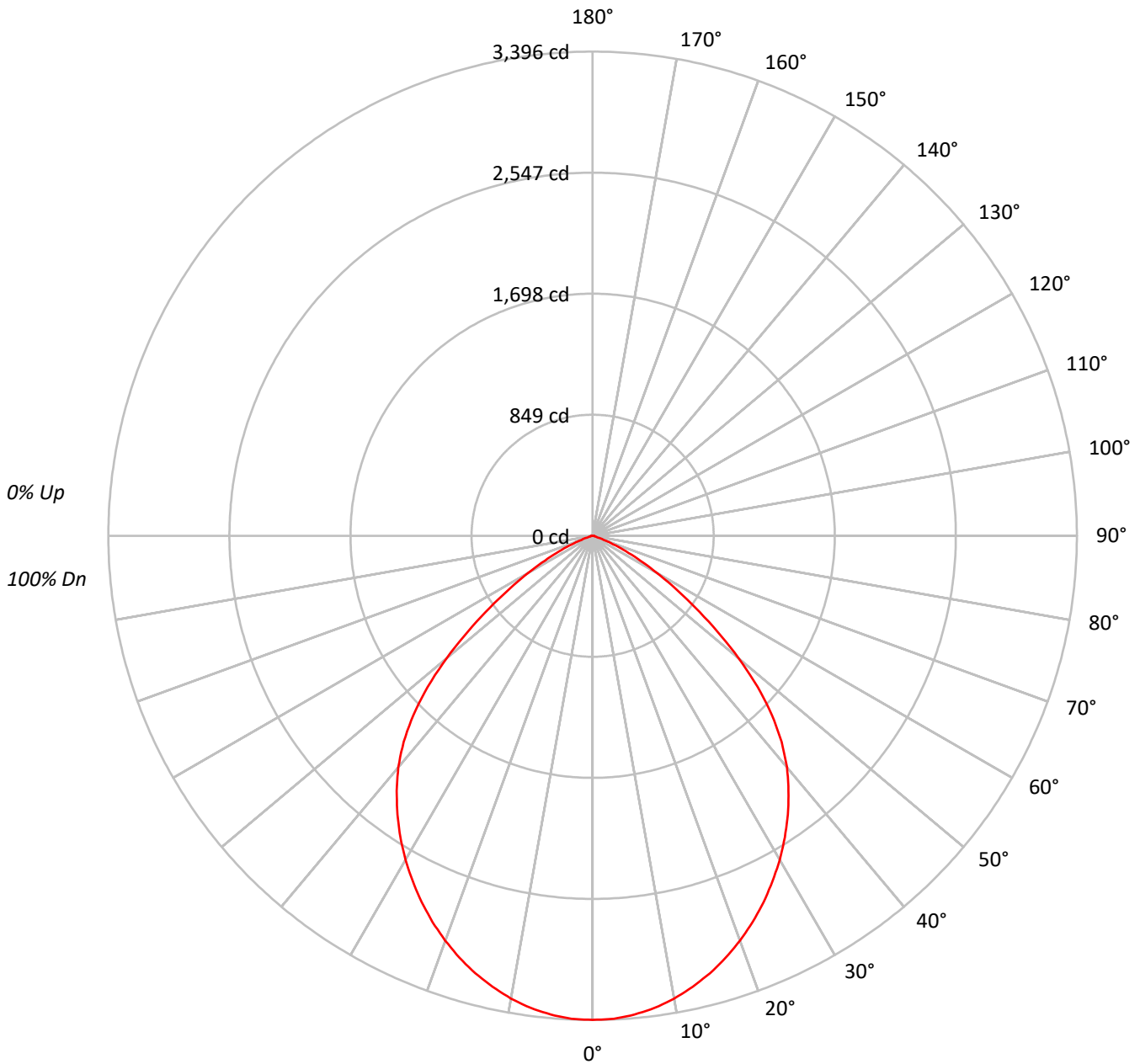
Lumens per Lamp: N/A  
Luminaire Lumens: 6467.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

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				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°	327647
5°	326526
10°	322943
15°	317379
20°	310272
25°	301984
30°	292466
35°	281203
40°	267017
45°	242769
50°	200427
55°	147582
60°	100175
65°	58653
70°	23162
75°	5219
80°	6779
85°	11624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.4	4.9
10°-20°	894.6	13.8
20°-30°	1305.0	20.2
30°-40°	1489.5	23.0
40°-50°	1354.2	20.9
50°-60°	798.7	12.3
60°-70°	267.8	4.1
70°-80°	28.0	0.4
80°-90°	9.8	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°	2519.0	39.0
0°-40°	4008.6	62.0
0°-60°	6161.4	95.3
0°-90°	6467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3396	
5°	3371	319
15°	3177	895
25°	2836	1305
35°	2387	1490
45°	1779	1354
55°	877	799
65°	257	268
75°	14	28
85°	10	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3395.7
2.5°	3390.5
5°	3371.2
7.5°	3339.8
10°	3296.1
12.5°	3240.2
15°	3177.2
17.5°	3103.8
20°	3021.7
22.5°	2932.6
25°	2836.5
27.5°	2731.6
30°	2625.0
32.5°	2507.9
35°	2387.3
37.5°	2256.2
40°	2119.9
42.5°	1960.9
45°	1779.1
47.5°	1569.4
50°	1335.2
52.5°	1101.0
55°	877.3
57.5°	686.8
60°	519.1
62.5°	375.7
65°	256.9
67.5°	157.3
70°	82.1
72.5°	31.5
75°	14.0
77.5°	14.0
80°	12.2
82.5°	10.5
85°	10.5
87.5°	8.7
90°	0.0



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— 0°-180°







(END OF REPORT)