

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: P840442

Luminaire Tested: **LDS4C75D010 EU4759035 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: P840442
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 EU4759035 4LBSSQMB
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

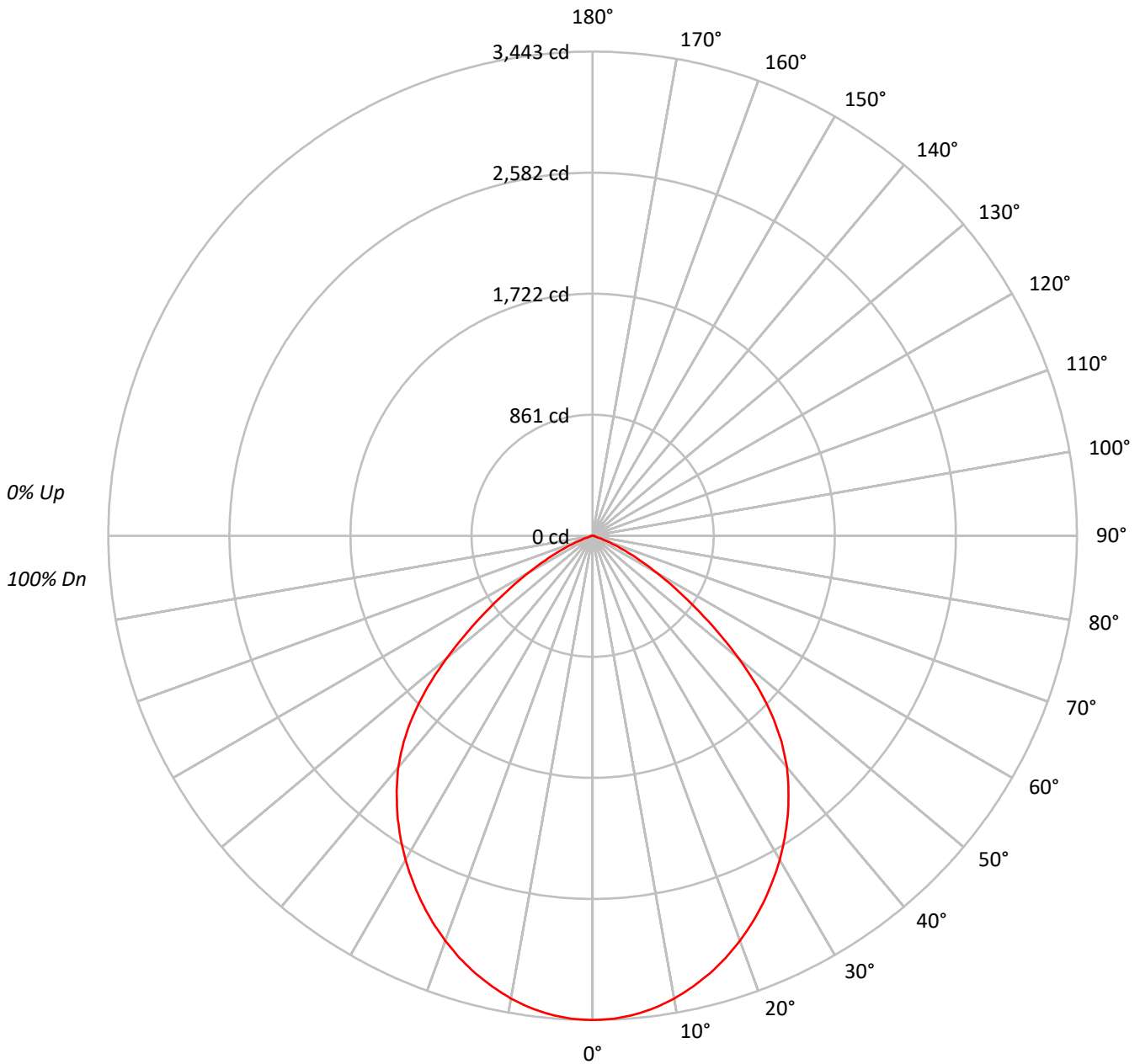
Lumens per Lamp: N/A
Luminaire Lumens: 6557.0 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (A_{in}): 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
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°	332211
5°	331078
10°	327440
15°	321804
20°	314595
25°	306179
30°	296533
35°	285114
40°	270733
45°	246153
50°	203219
55°	149635
60°	101564
65°	59475
70°	23500
75°	5294
80°	6890
85°	11735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.9	4.9
10°-20°	907.1	13.8
20°-30°	1323.1	20.2
30°-40°	1510.3	23.0
40°-50°	1373.0	20.9
50°-60°	809.8	12.3
60°-70°	271.6	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°	2554.1	39.0
0°-40°	4064.4	62.0
0°-60°	6247.2	95.3
0°-90°	6557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6557.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3443	
5°	3418	324
15°	3222	907
25°	2876	1323
35°	2420	1510
45°	1804	1373
55°	890	810
65°	260	272
75°	14	28
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3443.0
2.5°	3437.6
5°	3418.2
7.5°	3386.3
10°	3342.0
12.5°	3285.3
15°	3221.5
17.5°	3147.0
20°	3063.8
22.5°	2973.4
25°	2875.9
27.5°	2769.6
30°	2661.5
32.5°	2542.8
35°	2420.5
37.5°	2287.6
40°	2149.4
42.5°	1988.2
45°	1803.9
47.5°	1591.2
50°	1353.8
52.5°	1116.3
55°	889.5
57.5°	696.4
60°	526.3
62.5°	381.0
65°	260.5
67.5°	159.5
70°	83.3
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



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— 0°-180°







(END OF REPORT)