

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: P840443

Luminaire Tested: **LDS4C75D010 EU4759035 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: P840443
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 4LBPSSQMMS
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

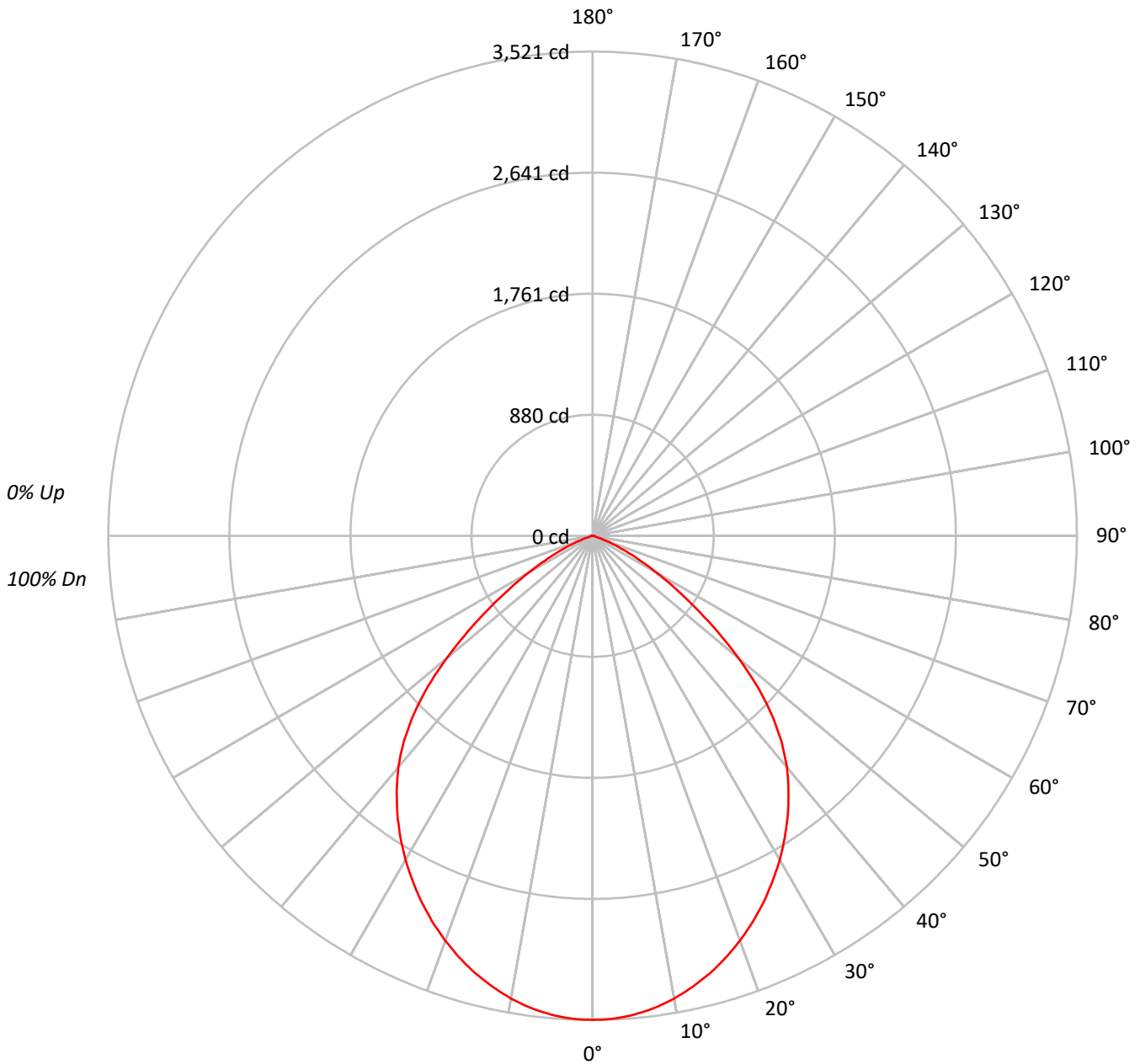
Lumens per Lamp: N/A
Luminaire Lumens: 6705.1 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (Ain): 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: P840443

CATALOG NUMBER: LDS4C75D010 EU4759035 4LBPSSQMMS

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°	339708
5°	338546
10°	334828
15°	329066
20°	321690
25°	313088
30°	303229
35°	291557
40°	276842
45°	251707
50°	207812
55°	153016
60°	103861
65°	60822
70°	24036
75°	5406
80°	7057
85°	12067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.2	4.9
10°-20°	927.6	13.8
20°-30°	1353.0	20.2
30°-40°	1544.4	23.0
40°-50°	1404.0	20.9
50°-60°	828.1	12.3
60°-70°	277.7	4.1
70°-80°	29.0	0.4
80°-90°	10.1	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°	2611.7	39.0
0°-40°	4156.1	62.0
0°-60°	6388.2	95.3
0°-90°	6705.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6705.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3521	
5°	3495	331
15°	3294	928
25°	2941	1353
35°	2475	1544
45°	1845	1404
55°	910	828
65°	266	278
75°	14	29
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3520.7
2.5°	3515.2
5°	3495.3
7.5°	3462.7
10°	3417.4
12.5°	3359.4
15°	3294.2
17.5°	3218.1
20°	3132.9
22.5°	3040.5
25°	2940.8
27.5°	2832.1
30°	2721.6
32.5°	2600.2
35°	2475.2
37.5°	2339.3
40°	2197.9
42.5°	2033.0
45°	1844.6
47.5°	1627.2
50°	1384.4
52.5°	1141.5
55°	909.6
57.5°	712.1
60°	538.2
62.5°	389.6
65°	266.4
67.5°	163.1
70°	85.2
72.5°	32.6
75°	14.5
77.5°	14.5
80°	12.7
82.5°	10.9
85°	10.9
87.5°	9.1
90°	0.0



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— 0°-180°







(END OF REPORT)