

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: P840445

Luminaire Tested: **LDS4C75D010 EU4759040 4LPSSQMMS**

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: P840445
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 4LBPSSQMMS
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

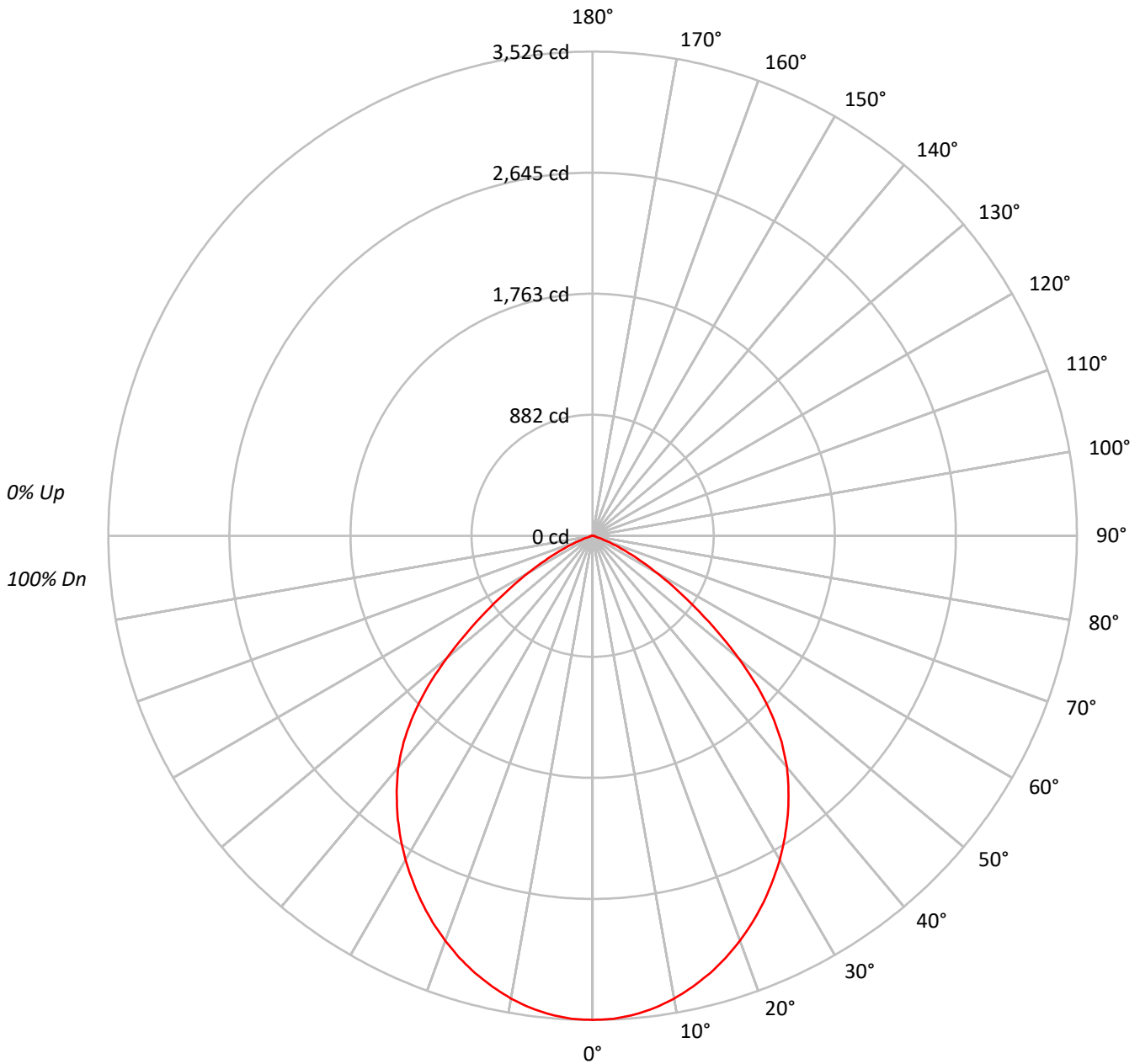
Lumens per Lamp: N/A
Luminaire Lumens: 6715.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P840445

CATALOG NUMBER: LDS4C75D010 EU4759040 4LBPSSQMMMS

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			
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°	340210
5°	339050
10°	335328
15°	329556
20°	322173
25°	313557
30°	303675
35°	291993
40°	277257
45°	252075
50°	208113
55°	153251
60°	104015
65°	60914
70°	24064
75°	5406
80°	7057
85°	12067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.7	4.9
10°-20°	929.0	13.8
20°-30°	1355.0	20.2
30°-40°	1546.7	23.0
40°-50°	1406.1	20.9
50°-60°	829.3	12.3
60°-70°	278.1	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°	2615.6	39.0
0°-40°	4162.3	62.0
0°-60°	6397.7	95.3
0°-90°	6715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6715.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3526	
5°	3500	332
15°	3299	929
25°	2945	1355
35°	2479	1547
45°	1847	1406
55°	911	829
65°	267	278
75°	14	29
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3525.9
2.5°	3520.5
5°	3500.5
7.5°	3467.9
10°	3422.5
12.5°	3364.4
15°	3299.1
17.5°	3222.9
20°	3137.6
22.5°	3045.0
25°	2945.2
27.5°	2836.3
30°	2725.6
32.5°	2604.1
35°	2478.9
37.5°	2342.8
40°	2201.2
42.5°	2036.1
45°	1847.3
47.5°	1629.6
50°	1386.4
52.5°	1143.2
55°	911.0
57.5°	713.2
60°	539.0
62.5°	390.2
65°	266.8
67.5°	163.3
70°	85.3
72.5°	32.7
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)