

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: P840439

Luminaire Tested: **LDS4C75D010 EU4759027 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: P840439
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 EU4759027 4LBPSSQMMS
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

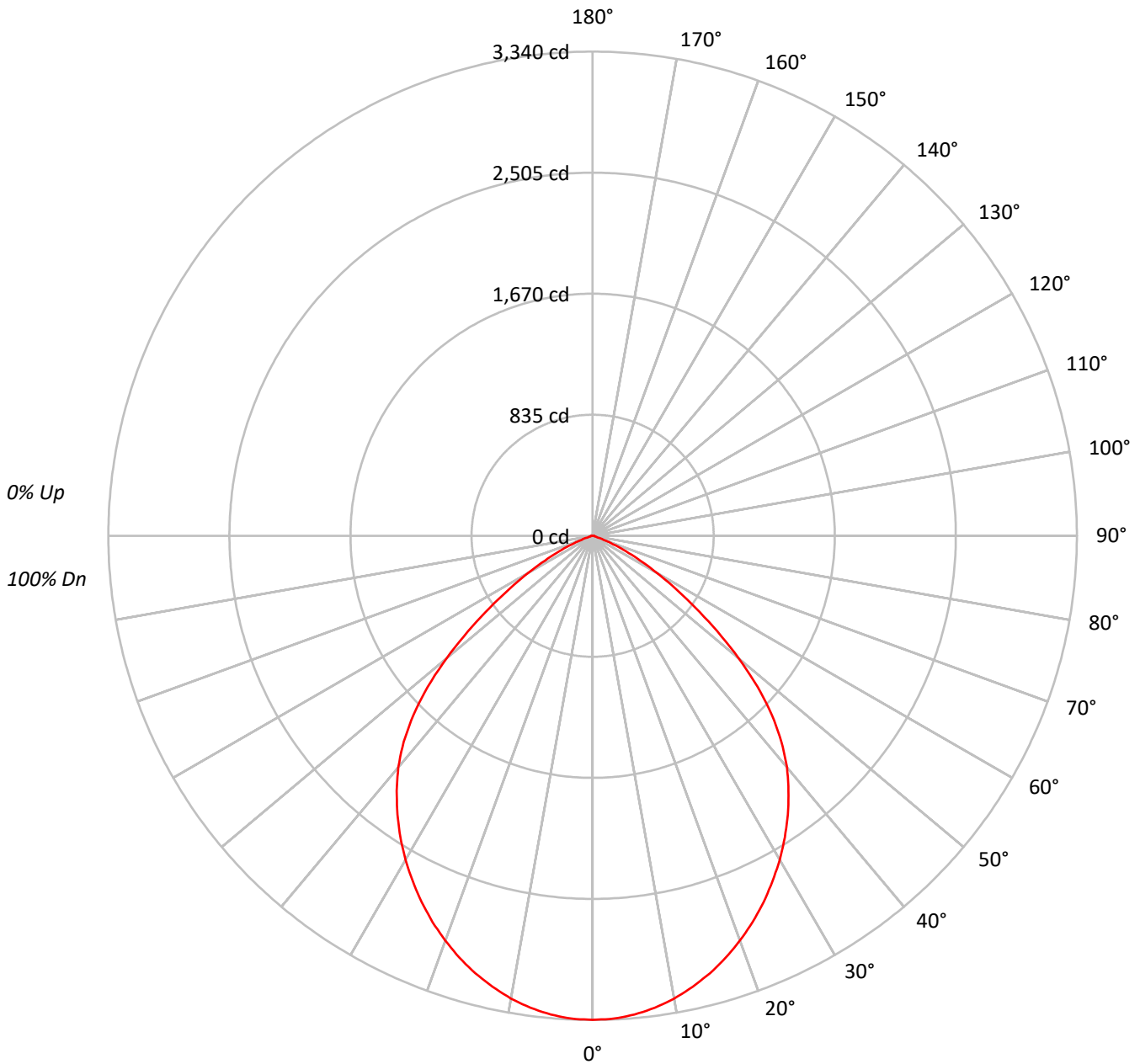
Lumens per Lamp: N/A
Luminaire Lumens: 6360.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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	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°	322225
5°	321131
10°	317604
15°	312135
20°	305138
25°	296981
30°	287631
35°	276550
40°	262596
45°	238757
50°	197110
55°	145143
60°	98515
65°	57694
70°	22795
75°	5107
80°	6668
85°	11403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.1	4.9
10°-20°	879.9	13.8
20°-30°	1283.4	20.2
30°-40°	1464.9	23.0
40°-50°	1331.7	20.9
50°-60°	785.5	12.4
60°-70°	263.4	4.1
70°-80°	27.5	0.4
80°-90°	9.6	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°	2477.4	39.0
0°-40°	3942.3	62.0
0°-60°	6059.5	95.3
0°-90°	6360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6360.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3340	
5°	3316	314
15°	3125	880
25°	2790	1283
35°	2348	1465
45°	1750	1332
55°	863	785
65°	253	263
75°	14	27
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3339.5
2.5°	3334.4
5°	3315.5
7.5°	3284.5
10°	3241.6
12.5°	3186.6
15°	3124.7
17.5°	3052.5
20°	2971.7
22.5°	2884.1
25°	2789.5
27.5°	2686.4
30°	2581.6
32.5°	2466.4
35°	2347.8
37.5°	2218.9
40°	2084.8
42.5°	1928.4
45°	1749.7
47.5°	1543.4
50°	1313.1
52.5°	1082.8
55°	862.8
57.5°	675.5
60°	510.5
62.5°	369.5
65°	252.7
67.5°	154.7
70°	80.8
72.5°	30.9
75°	13.7
77.5°	13.7
80°	12.0
82.5°	10.3
85°	10.3
87.5°	8.6
90°	0.0



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— 0°-180°







(END OF REPORT)