

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: P839880

Luminaire Tested: **LDS4C25D010 EU4259040 4LBSB**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839880
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: LDS4C25D010 EU4259040 4LBSB
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH B FINISH
Light Source: -
Ballast/Driver: -

Summary

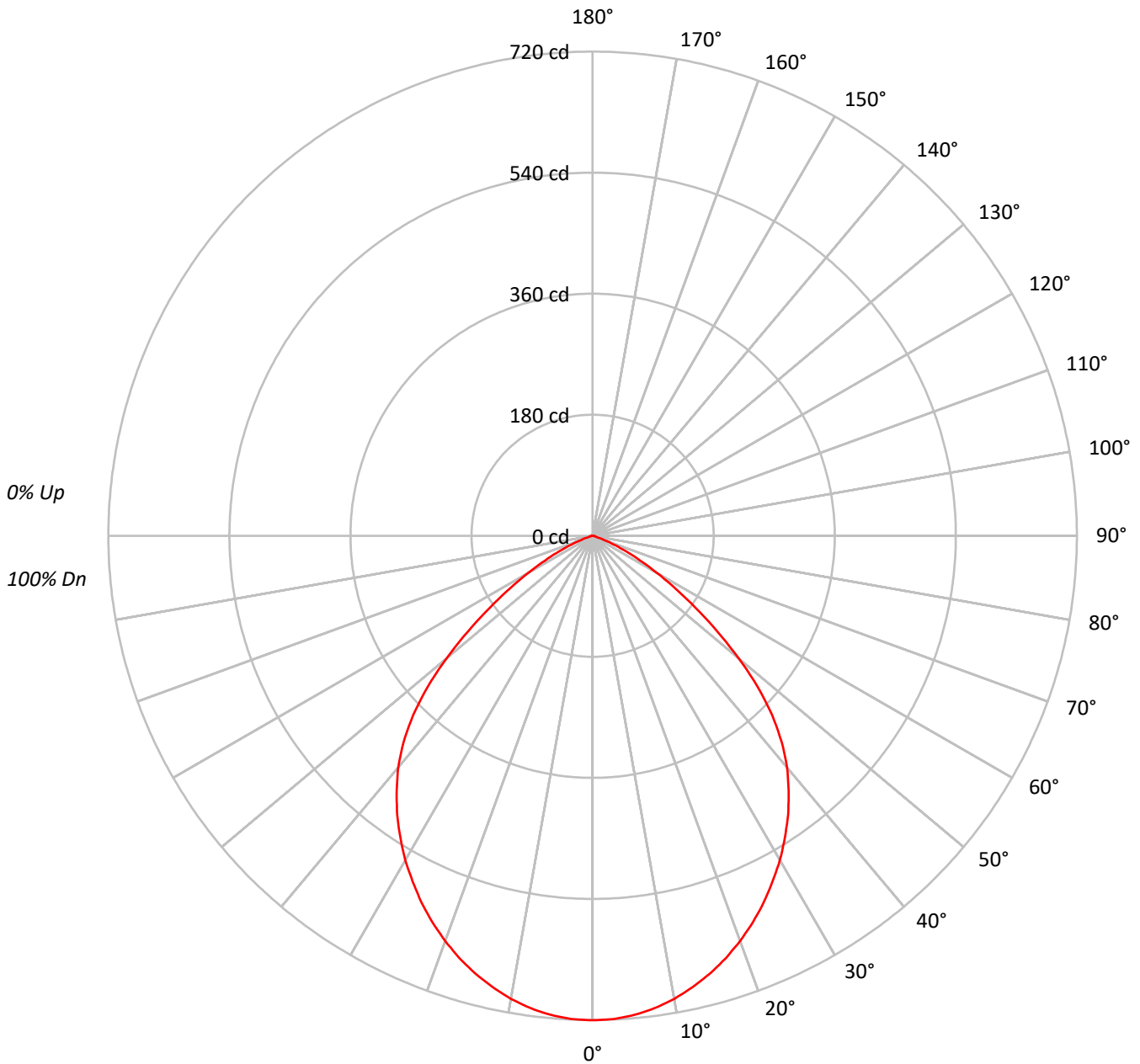
Lumens per Lamp: N/A
Luminaire Lumens: 1372.0 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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			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°	88504
5°	88200
10°	87237
15°	85737
20°	83816
25°	81576
30°	79001
35°	75963
40°	72120
45°	65570
50°	54146
55°	39860
60°	27052
65°	15843
70°	6250
75°	1424
80°	1839
85°	3101



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	4.9
10°-20°	189.8	13.8
20°-30°	276.9	20.2
30°-40°	316.0	23.0
40°-50°	287.3	20.9
50°-60°	169.4	12.3
60°-70°	56.8	4.1
70°-80°	6.0	0.4
80°-90°	2.1	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°	534.4	39.0
0°-40°	850.5	62.0
0°-60°	1307.2	95.3
0°-90°	1372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	720	
5°	715	68
15°	674	190
25°	602	277
35°	506	316
45°	377	287
55°	186	169
65°	54	57
75°	3	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	720.4
2.5°	719.3
5°	715.2
7.5°	708.5
10°	699.3
12.5°	687.4
15°	674.1
17.5°	658.5
20°	641.1
22.5°	622.2
25°	601.8
27.5°	579.5
30°	556.9
32.5°	532.1
35°	506.5
37.5°	478.7
40°	449.7
42.5°	416.0
45°	377.4
47.5°	333.0
50°	283.3
52.5°	233.6
55°	186.1
57.5°	145.7
60°	110.1
62.5°	79.7
65°	54.5
67.5°	33.4
70°	17.4
72.5°	6.7
75°	3.0
77.5°	3.0
80°	2.6
82.5°	2.2
85°	2.2
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)