

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: P839893

Luminaire Tested: **LDS4C25D010 EU4259050 4LBSLI**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C25D010 EU4259050 4LBSLI
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

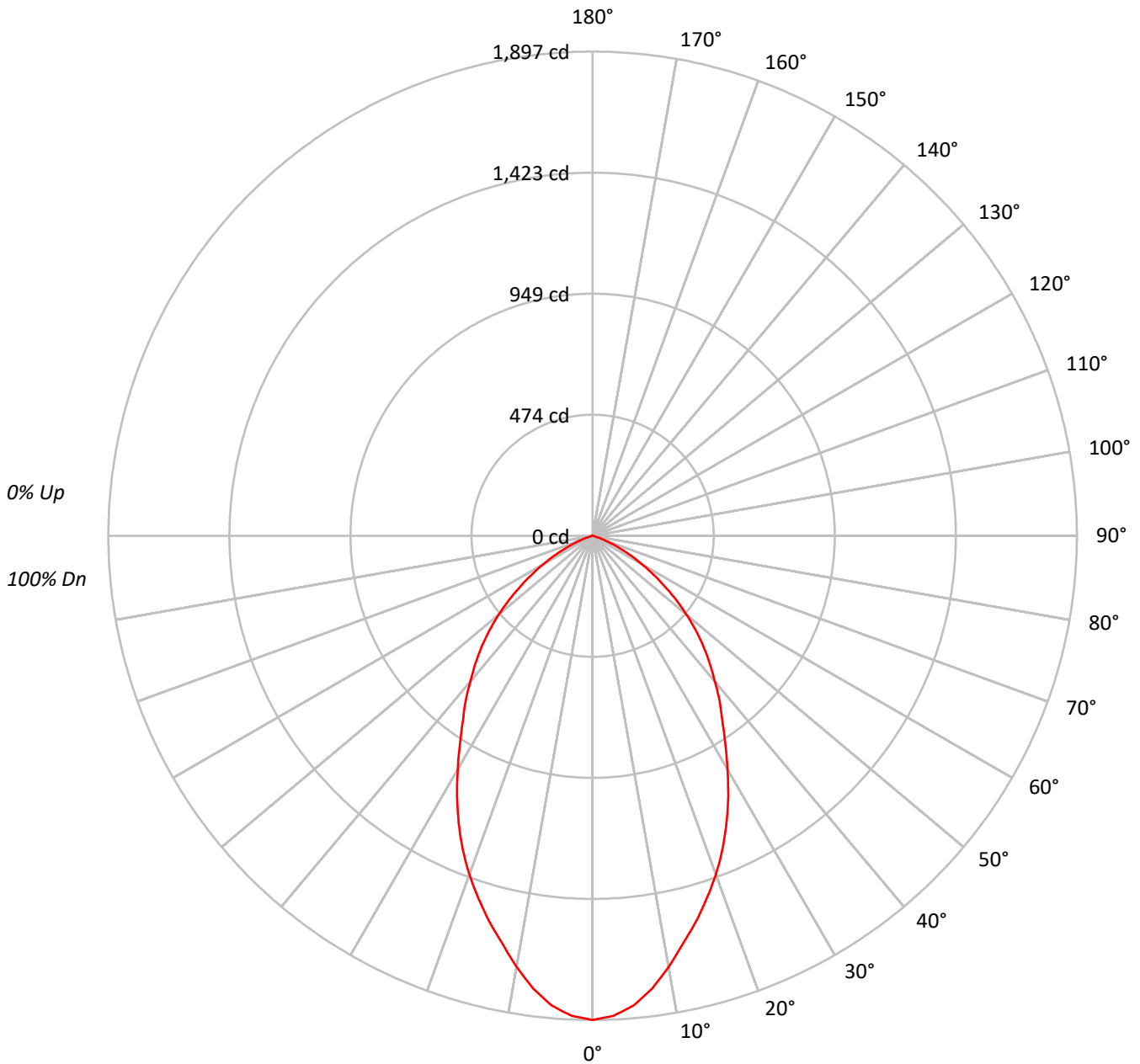
Lumens per Lamp: N/A
Luminaire Lumens: 2657.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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									
RC	80									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	101	102	100	98	98	96	95	95	93	92	90																			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80																			
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71																			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63																			
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57																			
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51																			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42																			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39																			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	233078
5°	227802
10°	213919
15°	199023
20°	184589
25°	168263
30°	149803
35°	132774
40°	119334
45°	106816
50°	91626
55°	73702
60°	54916
65°	35058
70°	16882
75°	2801
80°	2052
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	6.5
10°-20°	438.7	16.5
20°-30°	568.5	21.4
30°-40°	557.0	21.0
40°-50°	472.2	17.8
50°-60°	309.5	11.6
60°-70°	124.4	4.7
70°-80°	14.2	0.5
80°-90°	0.4	0.0
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°	1179.3	44.4
0°-40°	1736.3	65.3
0°-60°	2518.0	94.8
0°-90°	2657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2657.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1897	
5°	1847	172
15°	1565	439
25°	1241	569
35°	885	557
45°	615	472
55°	344	310
65°	121	124
75°	6	14
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1897.2
2.5°	1882.5
5°	1847.2
7.5°	1788.3
10°	1714.8
12.5°	1635.4
15°	1564.8
17.5°	1488.4
20°	1411.9
22.5°	1329.5
25°	1241.3
27.5°	1150.1
30°	1056.0
32.5°	967.7
35°	885.3
37.5°	817.7
40°	744.1
42.5°	679.5
45°	614.8
47.5°	547.1
50°	479.4
52.5°	411.8
55°	344.1
57.5°	282.4
60°	223.5
62.5°	170.6
65°	120.6
67.5°	79.4
70°	47.0
72.5°	20.6
75°	5.9
77.5°	2.9
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)