

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: P839319

Luminaire Tested: **LD4C50D010 EU4509035 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C50D010 EU4509035 4LBSLI
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

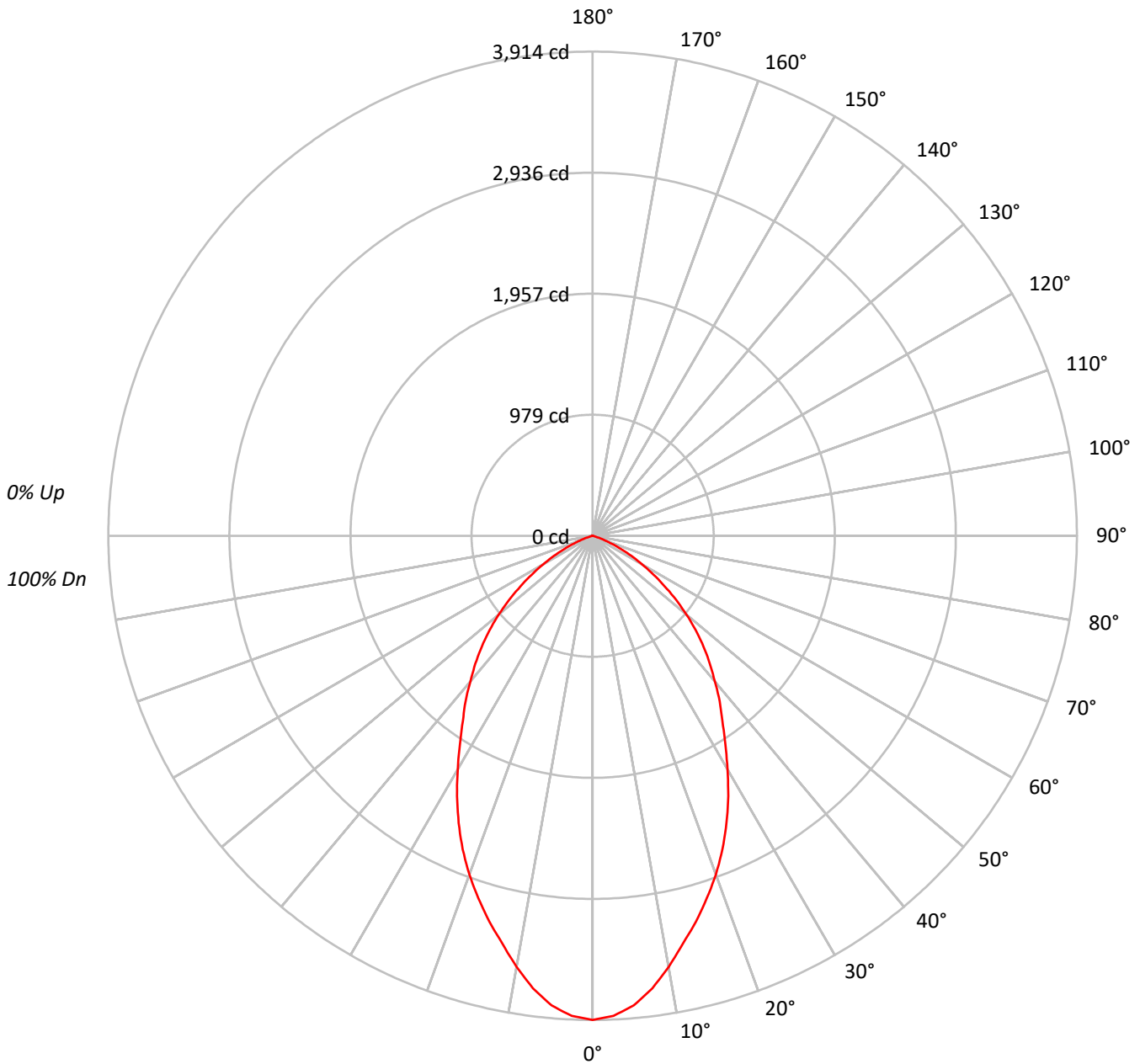
Lumens per Lamp: N/A
Luminaire Lumens: 5482.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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	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°	480885
5°	469995
10°	441361
15°	410624
20°	380840
25°	347167
30°	309068
35°	273947
40°	246222
45°	220373
50°	189062
55°	152074
60°	113320
65°	72354
70°	34878
75°	5791
80°	4245
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.9	6.5
10°-20°	905.2	16.5
20°-30°	1173.0	21.4
30°-40°	1149.3	21.0
40°-50°	974.2	17.8
50°-60°	638.6	11.6
60°-70°	256.7	4.7
70°-80°	29.3	0.5
80°-90°	0.8	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°	2433.1	44.4
0°-40°	3582.4	65.3
0°-60°	5195.2	94.8
0°-90°	5482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3914	
5°	3811	355
15°	3228	905
25°	2561	1173
35°	1827	1149
45°	1268	974
55°	710	639
65°	249	257
75°	12	29
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3914.3
2.5°	3883.9
5°	3811.1
7.5°	3689.7
10°	3538.0
12.5°	3374.2
15°	3228.5
17.5°	3070.8
20°	2913.0
22.5°	2743.1
25°	2561.1
27.5°	2372.8
30°	2178.7
32.5°	1996.7
35°	1826.6
37.5°	1687.2
40°	1535.3
42.5°	1401.9
45°	1268.4
47.5°	1128.8
50°	989.2
52.5°	849.7
55°	710.0
57.5°	582.6
60°	461.2
62.5°	351.9
65°	248.9
67.5°	163.9
70°	97.1
72.5°	42.4
75°	12.2
77.5°	6.0
80°	6.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)