

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: P857978

Luminaire Tested: **LX4C40D010 EX4C409050 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P857978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C40D010 EX4C409050 4LBMLI
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

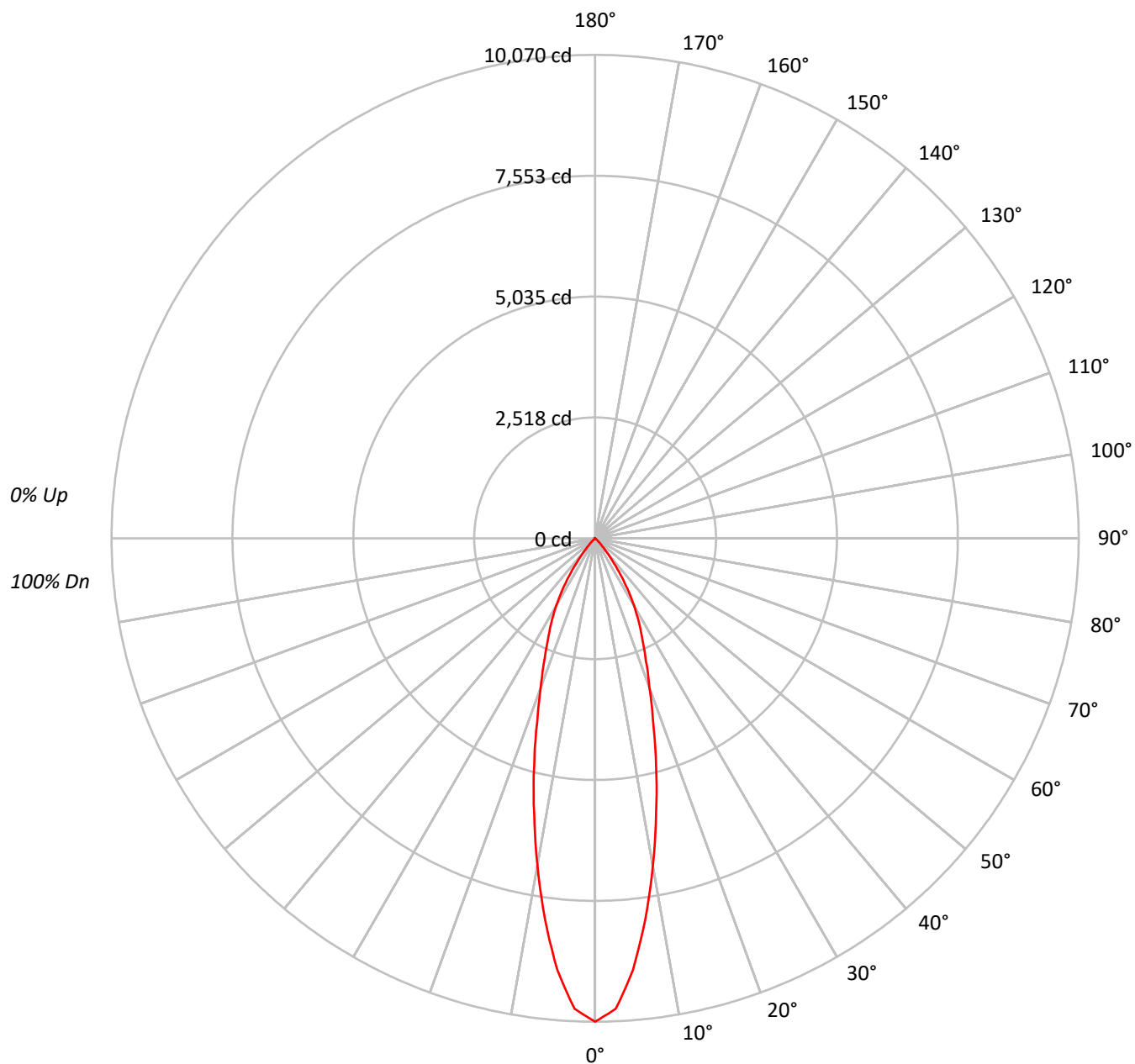
Lumens per Lamp: N/A
Luminaire Lumens: 3913.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	109	105	102	99		107	103	100	98		100	98	95			97	95	93			95
3	105	99	95	92		103	98	94	91		95	92	89			93	90	88			91
4	101	94	89	86		99	93	88	85		91	87	84			89	86	83			87
5	96	89	84	80		95	88	84	80		87	82	79			85	81	79			83
6	92	85	80	76		91	84	79	76		83	78	75			81	78	75			80
7	89	81	76	72		88	80	75	72		79	75	71			78	74	71			77
8	85	77	72	68		84	77	72	68		76	71	68			75	71	68			74
9	82	74	69	65		81	73	68	65		72	68	65			72	68	65			71
10	79	71	66	62		78	70	65	62		69	65	62			69	65	62			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1237110
5°	1113272
10°	863024
15°	624655
20°	432520
25°	315325
30°	229116
35°	135579
40°	57029
45°	17774
50°	2313
55°	1285
60°	1474
65°	1744
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	793.6	20.3
10°-20°	1358.6	34.7
20°-30°	1079.7	27.6
30°-40°	571.6	14.6
40°-50°	98.5	2.5
50°-60°	7.4	0.2
60°-70°	3.7	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	3231.9	82.6
0°-40°	3803.5	97.2
0°-60°	3909.3	99.9
0°-90°	3913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3913.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10070	
5°	9027	794
15°	4911	1359
25°	2326	1080
35°	904	572
45°	102	98
55°	6	7
65°	6	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10069.8
2.5°	9810.6
5°	9027.3
7.5°	8002.9
10°	6918.1
12.5°	5869.6
15°	4911.3
17.5°	4019.4
20°	3308.3
22.5°	2765.9
25°	2326.2
27.5°	1970.6
30°	1615.1
32.5°	1253.5
35°	904.0
37.5°	596.7
40°	355.6
42.5°	204.9
45°	102.3
47.5°	36.2
50°	12.1
52.5°	12.1
55°	6.0
57.5°	6.0
60°	6.0
62.5°	6.0
65°	6.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)