

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: P856694

Luminaire Tested: **LX4C10D010 EU4109027 4LBHYLI**

Issue Date: 7/20/2023



Test Information

Test Method: LM-79-08
Report Number: P856694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C10D010 EU4109027 4LBHYLI
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

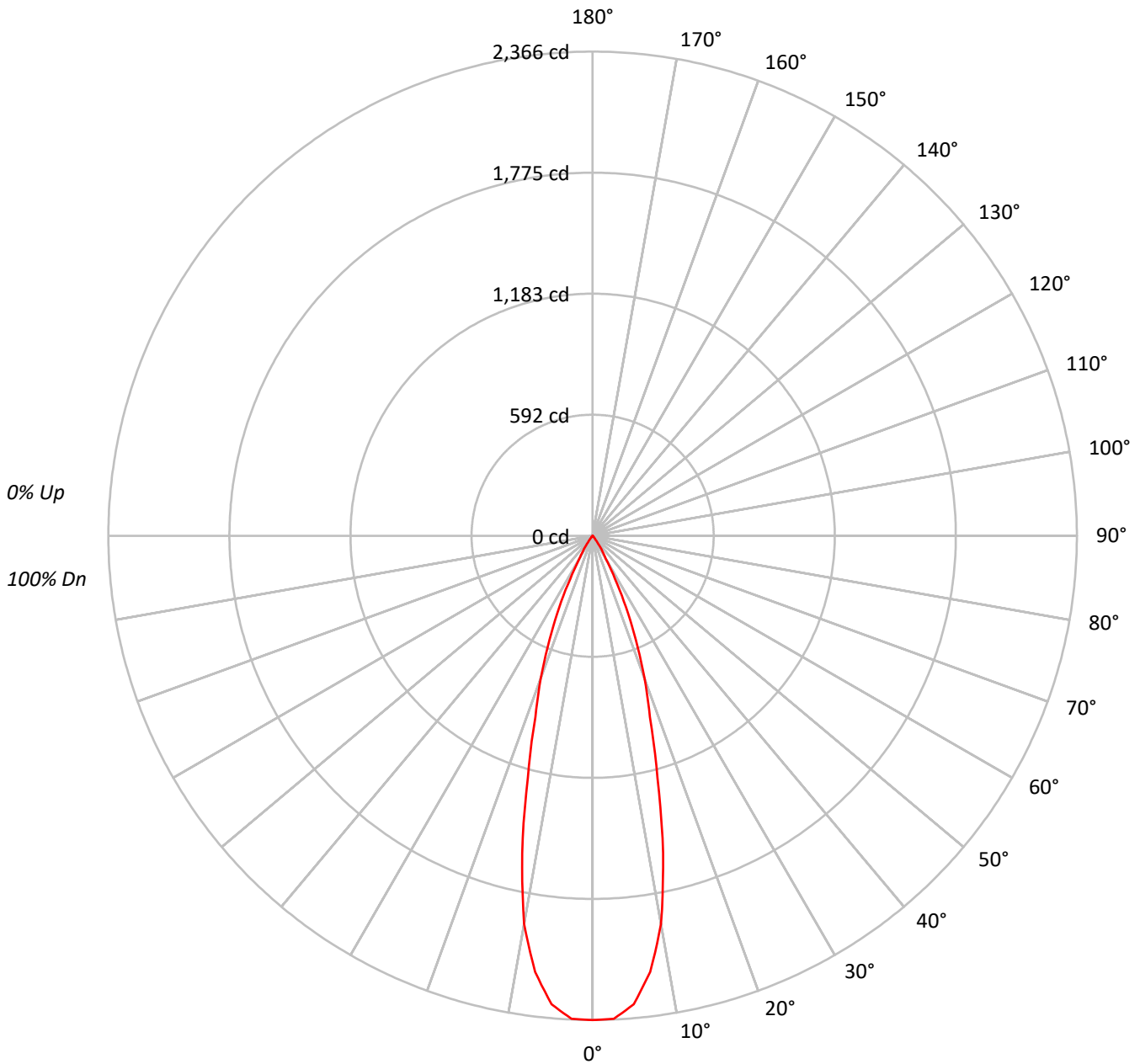
Lumens per Lamp: N/A
Luminaire Lumens: 765.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85			
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76			
8	91	83	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71			
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	290733
5°	283396
10°	240266
15°	155728
20°	96707
25°	52053
30°	17888
35°	7199
40°	1924
45°	851
50°	344
55°	150
60°	98
65°	116
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.3	27.1
10°-20°	341.8	44.7
20°-30°	177.2	23.2
30°-40°	33.5	4.4
40°-50°	4.2	0.6
50°-60°	0.6	0.1
60°-70°	0.2	0.0
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°	726.4	94.9
0°-40°	759.9	99.3
0°-60°	764.8	100.0
0°-90°	765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2366	
5°	2298	207
15°	1224	342
25°	384	177
35°	48	34
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2366.5
2.5°	2362.6
5°	2298.0
7.5°	2149.6
10°	1926.0
12.5°	1589.3
15°	1224.4
17.5°	929.8
20°	739.7
22.5°	551.4
25°	384.0
27.5°	236.0
30°	126.1
32.5°	85.1
35°	48.0
37.5°	20.8
40°	12.0
42.5°	7.8
45°	4.9
47.5°	2.8
50°	1.8
52.5°	0.7
55°	0.7
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
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)