

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: P856697

Luminaire Tested: **LX4C10D010 EX4C109027 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P856697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C10D010 EX4C109027 4LBMDH
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

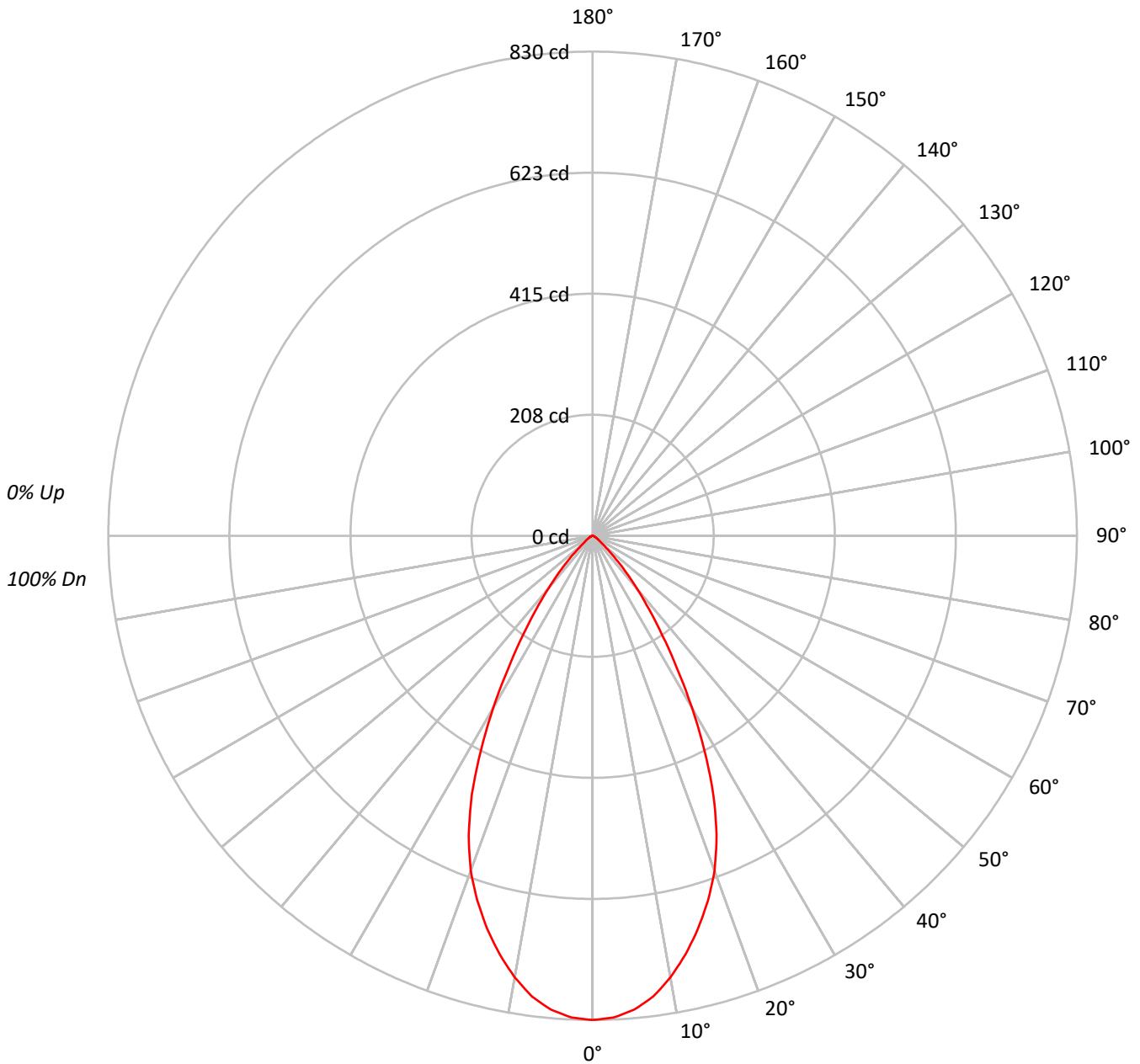
Lumens per Lamp: N/A
Luminaire Lumens: 689.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P856697

CATALOG NUMBER: LX4C10D010 EX4C109027 4LBMDH

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101968
5°	100594
10°	95882
15°	88726
20°	79868
25°	66354
30°	48232
35°	31270
40°	18924
45°	9747
50°	4415
55°	2656
60°	1794
65°	1279
70°	970
75°	617
80°	424
85°	282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	11.1
10°-20°	194.7	28.3
20°-30°	220.1	31.9
30°-40°	133.0	19.3
40°-50°	46.6	6.8
50°-60°	11.9	1.7
60°-70°	4.6	0.7
70°-80°	1.5	0.2
80°-90°	0.2	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°	491.1	71.3
0°-40°	624.2	90.6
0°-60°	682.7	99.1
0°-90°	689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	689.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	830	
5°	816	76
15°	698	195
25°	490	220
35°	208	133
45°	56	47
55°	12	12
65°	4	5
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	830.0
2.5°	826.6
5°	815.7
7.5°	796.4
10°	768.6
12.5°	735.0
15°	697.6
17.5°	656.5
20°	610.9
22.5°	555.0
25°	489.5
27.5°	414.4
30°	340.0
32.5°	268.8
35°	208.5
37.5°	158.1
40°	118.0
42.5°	84.8
45°	56.1
47.5°	34.6
50°	23.1
52.5°	16.6
55°	12.4
57.5°	9.5
60°	7.3
62.5°	5.7
65°	4.4
67.5°	3.4
70°	2.7
72.5°	1.9
75°	1.3
77.5°	1.0
80°	0.6
82.5°	0.4
85°	0.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)