

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: P856883

Luminaire Tested: **LX4C10D010 EX4C109030 4LBWH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P856883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C10D010 EX4C109030 4LBWH
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

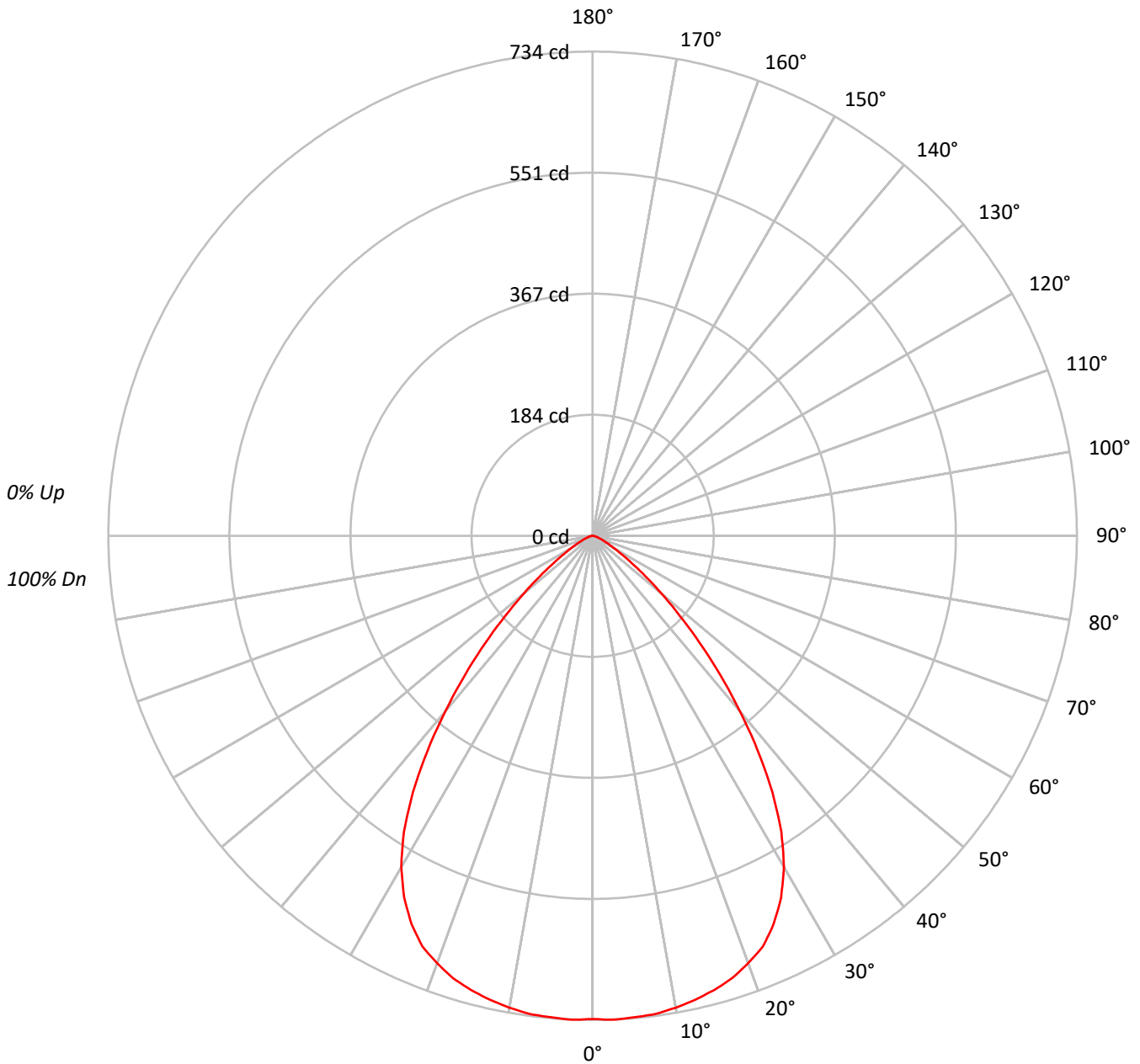
Lumens per Lamp: N/A
Luminaire Lumens: 1136.7 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17
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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90002
5°	90346
10°	90617
15°	90646
20°	90131
25°	88029
30°	82278
35°	71254
40°	55666
45°	39926
50°	25936
55°	15529
60°	9091
65°	5843
70°	3879
75°	2943
80°	2193
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	6.1
10°-20°	201.1	17.7
20°-30°	296.7	26.1
30°-40°	292.8	25.8
40°-50°	179.2	15.8
50°-60°	68.7	6.0
60°-70°	21.5	1.9
70°-80°	6.3	0.6
80°-90°	0.8	0.1
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°	567.5	49.9
0°-40°	860.3	75.7
0°-60°	1108.1	97.5
0°-90°	1136.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	733	
5°	733	70
15°	713	201
25°	649	297
35°	475	293
45°	230	179
55°	72	69
65°	20	21
75°	6	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	732.6
2.5°	734.3
5°	732.6
7.5°	731.2
10°	726.4
12.5°	720.4
15°	712.7
17.5°	703.4
20°	689.4
22.5°	674.1
25°	649.4
27.5°	618.4
30°	580.0
32.5°	532.2
35°	475.1
37.5°	411.8
40°	347.1
42.5°	286.9
45°	229.8
47.5°	178.9
50°	135.7
52.5°	100.3
55°	72.5
57.5°	50.9
60°	37.0
62.5°	27.8
65°	20.1
67.5°	15.4
70°	10.8
72.5°	7.7
75°	6.2
77.5°	3.1
80°	3.1
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)