

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: P857086

Luminaire Tested: **LX4C15D010 EX4C159030 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857086
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: LX4C15D010 EX4C159030 4LBMDH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

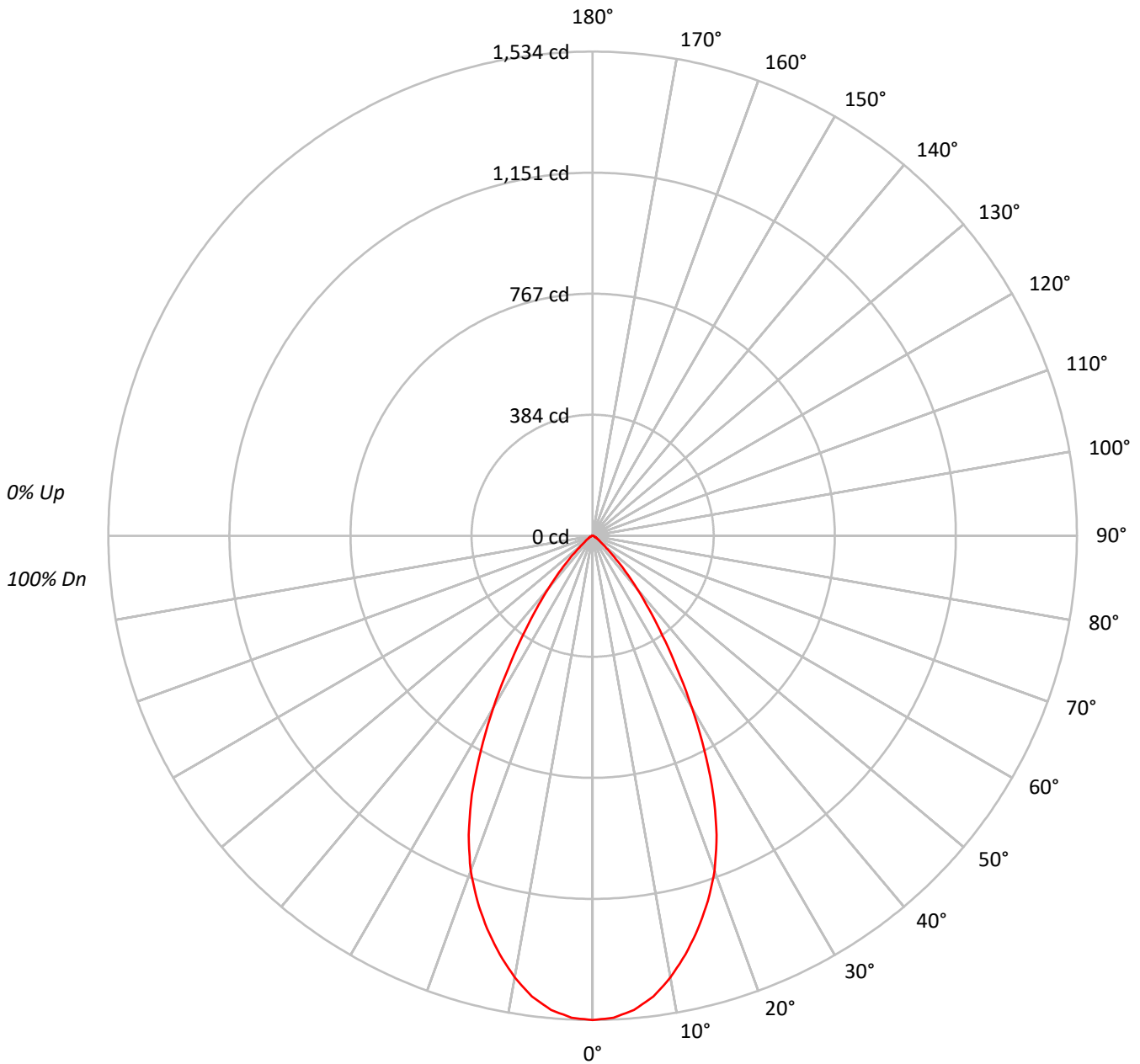
Lumens per Lamp: N/A
Luminaire Lumens: 1273.7 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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	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	64	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°	188506
5°	185971
10°	177243
15°	164008
20°	147642
25°	122649
30°	89158
35°	57801
40°	34978
45°	18017
50°	8161
55°	4926
60°	3317
65°	2355
70°	1796
75°	1139
80°	707
85°	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	11.1
10°-20°	359.8	28.3
20°-30°	406.9	31.9
30°-40°	245.9	19.3
40°-50°	86.1	6.8
50°-60°	22.1	1.7
60°-70°	8.5	0.7
70°-80°	2.8	0.2
80°-90°	0.4	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°	907.9	71.3
0°-40°	1153.8	90.6
0°-60°	1262.0	99.1
0°-90°	1273.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1273.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1534	
5°	1508	141
15°	1290	360
25°	905	407
35°	385	246
45°	104	86
55°	23	22
65°	8	8
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1534.4
2.5°	1528.1
5°	1508.0
7.5°	1472.3
10°	1420.8
12.5°	1358.7
15°	1289.5
17.5°	1213.6
20°	1129.3
22.5°	1025.9
25°	904.8
27.5°	766.2
30°	628.5
32.5°	496.8
35°	385.4
37.5°	292.2
40°	218.1
42.5°	156.7
45°	103.7
47.5°	63.9
50°	42.7
52.5°	30.7
55°	23.0
57.5°	17.6
60°	13.5
62.5°	10.6
65°	8.1
67.5°	6.4
70°	5.0
72.5°	3.5
75°	2.4
77.5°	1.7
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)