

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: P857099

Luminaire Tested: **LX4C15D010 EX4C159030 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857099
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

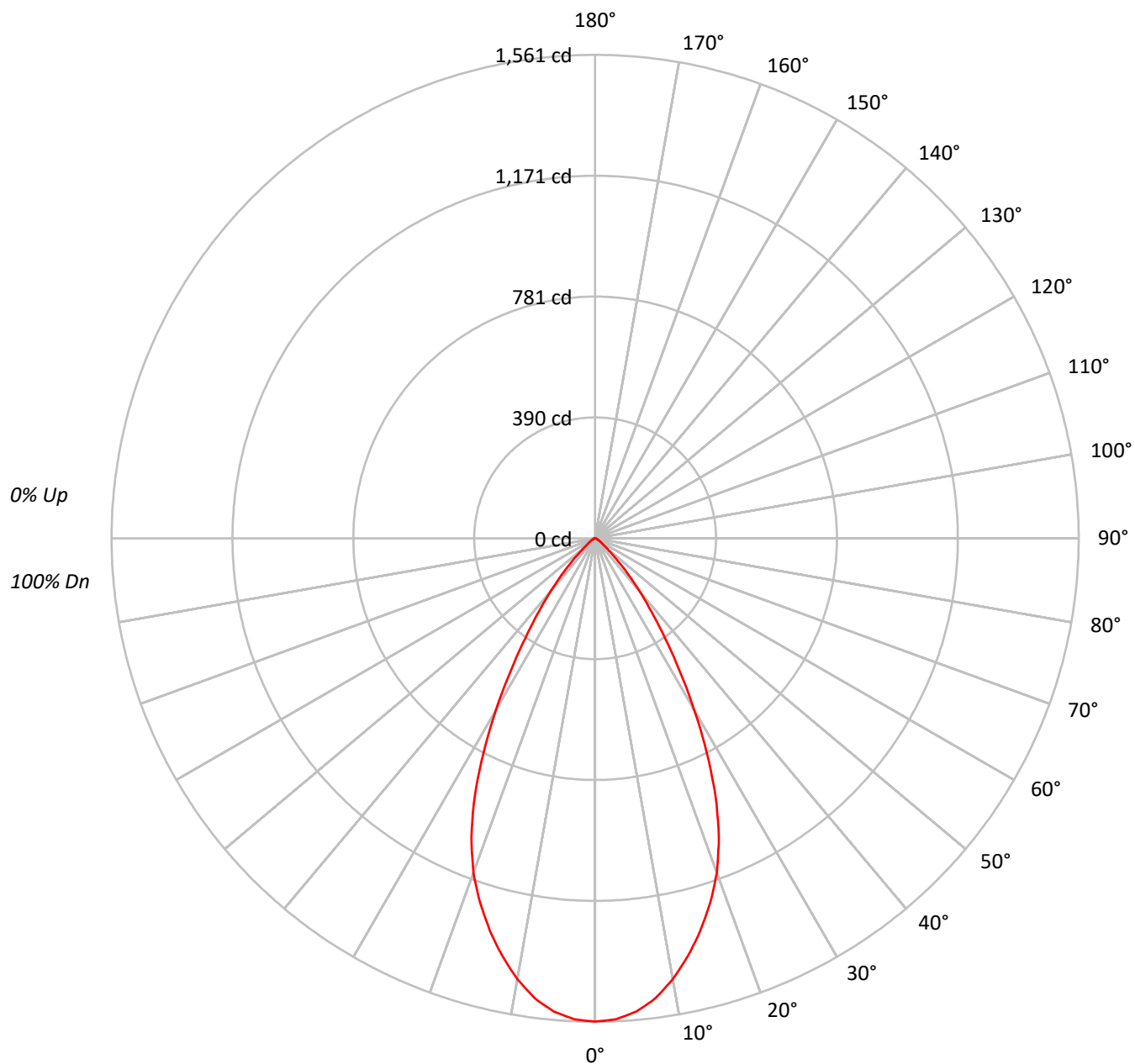
Lumens per Lamp: N/A
Luminaire Lumens: 1295.5 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
Input Voltage (V):
Input Current (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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	62	59		66
9	76	66	60	56	74	65	60	56	64	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	191750
5°	189165
10°	180287
15°	166832
20°	150179
25°	124764
30°	90690
35°	58791
40°	35587
45°	18330
50°	8295
55°	5012
60°	3366
65°	2384
70°	1832
75°	1139
80°	707
85°	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	11.1
10°-20°	366.0	28.3
20°-30°	413.9	31.9
30°-40°	250.1	19.3
40°-50°	87.6	6.8
50°-60°	22.4	1.7
60°-70°	8.6	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°	923.5	71.3
0°-40°	1173.6	90.6
0°-60°	1283.7	99.1
0°-90°	1295.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1561	
5°	1534	144
15°	1312	366
25°	920	414
35°	392	250
45°	106	88
55°	23	22
65°	8	9
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1560.8
2.5°	1554.4
5°	1533.9
7.5°	1497.6
10°	1445.2
12.5°	1382.1
15°	1311.7
17.5°	1234.5
20°	1148.7
22.5°	1043.5
25°	920.4
27.5°	779.4
30°	639.3
32.5°	505.3
35°	392.0
37.5°	297.2
40°	221.9
42.5°	159.4
45°	105.5
47.5°	65.0
50°	43.4
52.5°	31.2
55°	23.4
57.5°	17.9
60°	13.7
62.5°	10.8
65°	8.2
67.5°	6.5
70°	5.1
72.5°	3.6
75°	2.4
77.5°	1.7
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)