

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: P857108

Luminaire Tested: **LX4C15D010 EX4C159030 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857108
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: LX4C15D010 EX4C159030 4LBWH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

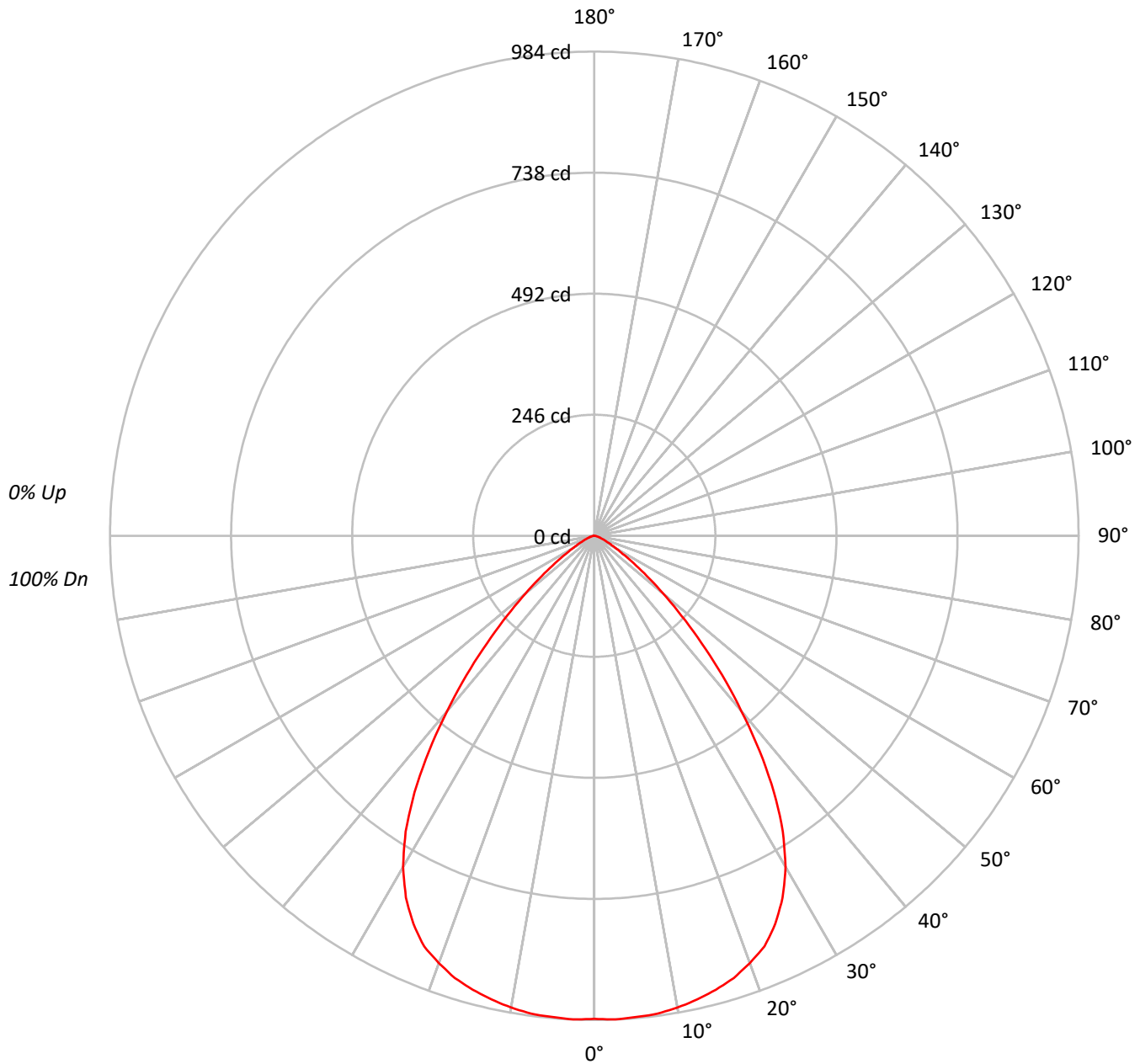
Lumens per Lamp: N/A
Luminaire Lumens: 1523.3 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104		110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	100	95	91		103	98	93	90		95	91	88		91	88	86		89	86	84
3	99	91	85	80		97	90	84	80		87	82	78		84	80	77		82	79	76
4	92	83	77	72		90	82	76	71		80	75	70		78	73	70		76	72	69
5	87	77	70	65		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	58		80	70	63	58		68	62	58		67	61	57		65	61	57
7	76	65	58	53		75	65	58	53		63	57	53		62	56	52		61	56	52
8	72	60	53	49		70	60	53	49		59	53	48		58	52	48		57	52	48
9	68	56	49	45		66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	52	46	41		63	52	46	41		51	45	41		50	45	41		49	44	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120618
5°	121078
10°	121455
15°	121451
20°	120789
25°	117959
30°	110253
35°	95475
40°	74590
45°	53512
50°	34785
55°	20798
60°	12162
65°	7820
70°	5208
75°	3892
80°	2971
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	6.1
10°-20°	269.4	17.7
20°-30°	397.6	26.1
30°-40°	392.3	25.8
40°-50°	240.1	15.8
50°-60°	92.0	6.0
60°-70°	28.8	1.9
70°-80°	8.5	0.6
80°-90°	1.1	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°	760.5	49.9
0°-40°	1152.8	75.7
0°-60°	1485.0	97.5
0°-90°	1523.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	982	
5°	982	94
15°	955	269
25°	870	398
35°	637	392
45°	308	240
55°	97	92
65°	27	29
75°	8	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	981.8
2.5°	983.9
5°	981.8
7.5°	979.9
10°	973.6
12.5°	965.3
15°	954.9
17.5°	942.5
20°	923.9
22.5°	903.4
25°	870.2
27.5°	828.8
30°	777.2
32.5°	713.2
35°	636.6
37.5°	551.8
40°	465.1
42.5°	384.4
45°	308.0
47.5°	239.8
50°	182.0
52.5°	134.4
55°	97.1
57.5°	68.2
60°	49.5
62.5°	37.3
65°	26.9
67.5°	20.6
70°	14.5
72.5°	10.4
75°	8.2
77.5°	4.2
80°	4.2
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)