

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: P857015

Luminaire Tested: **LX4C15D010 EX4C159727 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857015
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 EX4C159727 4LBWH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

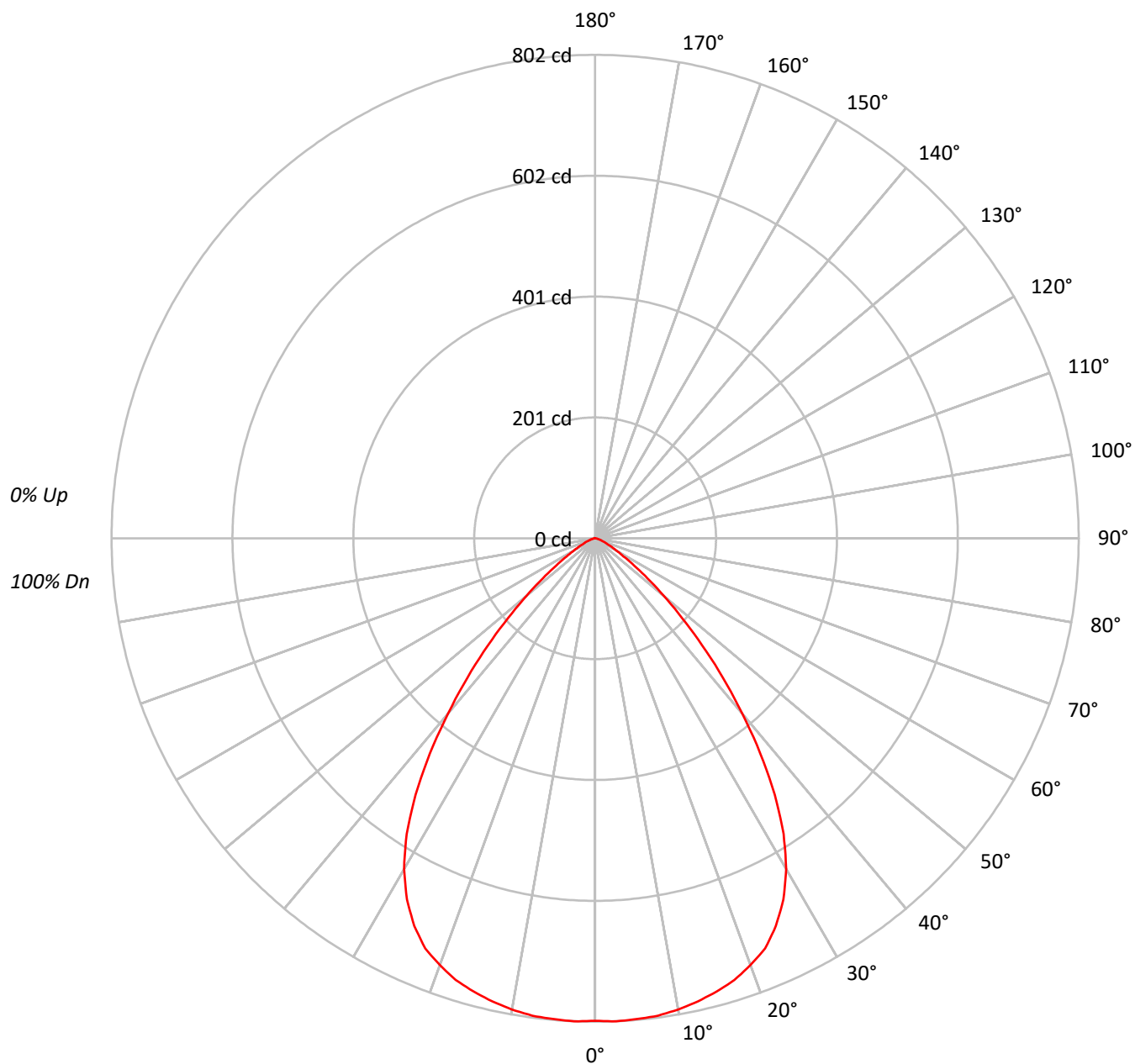
Lumens per Lamp: N/A
Luminaire Lumens: 1242.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98344
5°	98720
10°	99026
15°	99028
20°	98485
25°	96175
30°	89896
35°	77838
40°	60814
45°	43626
50°	28344
55°	16964
60°	9927
65°	6366
70°	4239
75°	3180
80°	2405
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	6.1
10°-20°	219.7	17.7
20°-30°	324.1	26.1
30°-40°	319.9	25.8
40°-50°	195.8	15.8
50°-60°	75.1	6.0
60°-70°	23.5	1.9
70°-80°	6.9	0.6
80°-90°	0.9	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°	620.0	49.9
0°-40°	939.9	75.7
0°-60°	1210.8	97.5
0°-90°	1242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1242.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	800	
5°	800	76
15°	779	220
25°	710	324
35°	519	320
45°	251	196
55°	79	75
65°	22	23
75°	7	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	800.5
2.5°	802.2
5°	800.5
7.5°	798.9
10°	793.8
12.5°	787.0
15°	778.6
17.5°	768.5
20°	753.3
22.5°	736.5
25°	709.5
27.5°	675.8
30°	633.7
32.5°	581.5
35°	519.0
37.5°	450.0
40°	379.2
42.5°	313.5
45°	251.1
47.5°	195.5
50°	148.3
52.5°	109.6
55°	79.2
57.5°	55.6
60°	40.4
62.5°	30.4
65°	21.9
67.5°	16.9
70°	11.8
72.5°	8.4
75°	6.7
77.5°	3.4
80°	3.4
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)