

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: P857092

Luminaire Tested: **LX4C15D010 EX4C159030 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C15D010 EX4C159030 4LBSH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

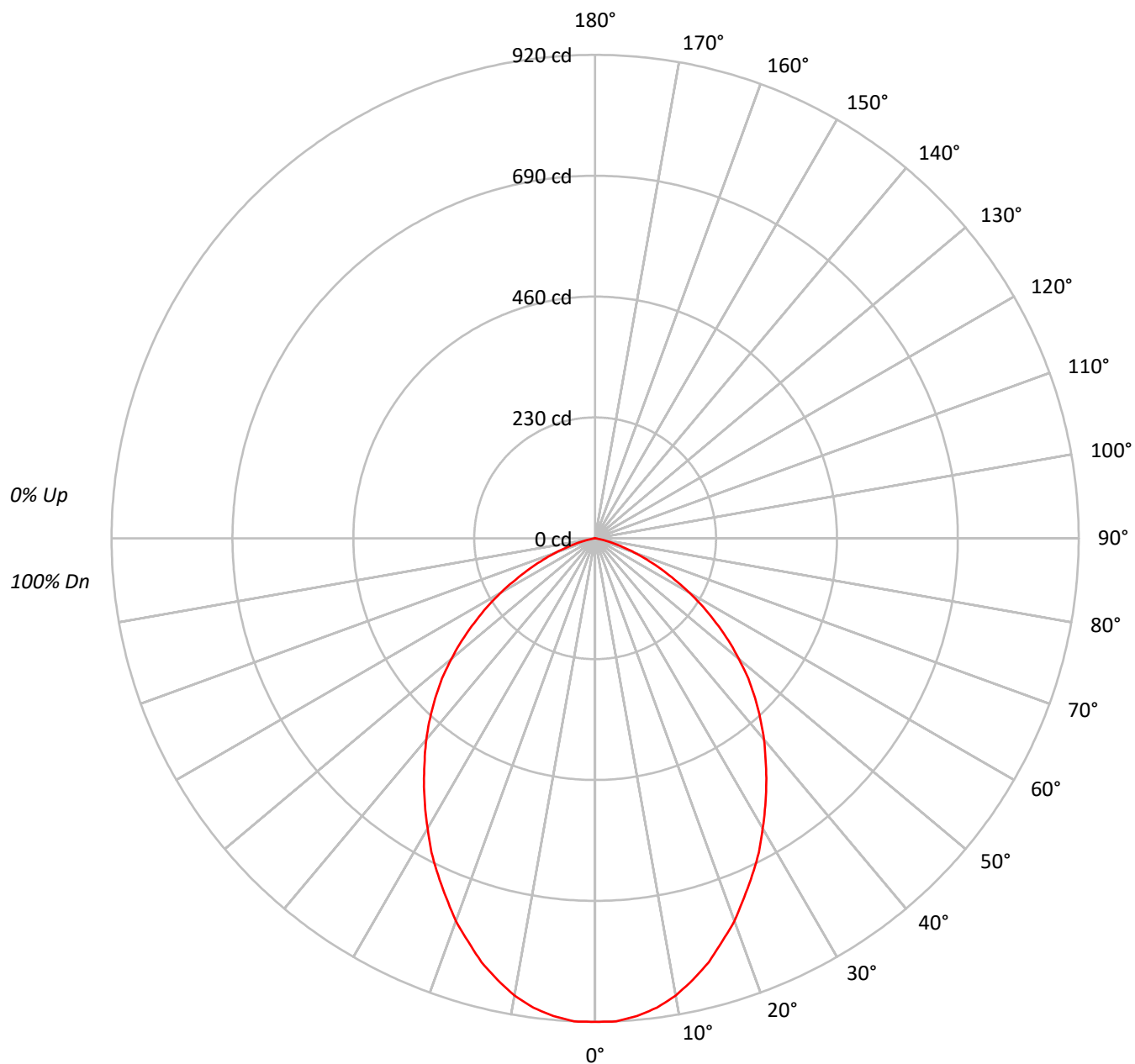
Lumens per Lamp: N/A
Luminaire Lumens: 1759.7 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77		
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51		
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113062
5°	112544
10°	110228
15°	106214
20°	101322
25°	95850
30°	90421
35°	85142
40°	80155
45°	74726
50°	68136
55°	60187
60°	50935
65°	40000
70°	28556
75°	15617
80°	2759
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	4.9
10°-20°	234.3	13.3
20°-30°	325.4	18.5
30°-40°	355.1	20.2
40°-50°	331.2	18.8
50°-60°	251.4	14.3
60°-70°	137.7	7.8
70°-80°	37.9	2.2
80°-90°	0.5	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°	645.9	36.7
0°-40°	1001.0	56.9
0°-60°	1583.6	90.0
0°-90°	1759.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1759.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	920	
5°	913	86
15°	835	234
25°	707	325
35°	568	355
45°	430	331
55°	281	251
65°	138	138
75°	33	38
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	920.3
2.5°	920.3
5°	912.6
7.5°	901.0
10°	883.6
12.5°	860.3
15°	835.1
17.5°	804.1
20°	775.0
22.5°	740.1
25°	707.1
27.5°	674.3
30°	637.4
32.5°	602.6
35°	567.7
37.5°	532.8
40°	499.8
42.5°	465.0
45°	430.1
47.5°	395.2
50°	356.5
52.5°	319.7
55°	281.0
57.5°	244.1
60°	207.3
62.5°	170.5
65°	137.6
67.5°	106.5
70°	79.5
72.5°	54.3
75°	32.9
77.5°	15.5
80°	3.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)