

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: P856985

Luminaire Tested: **LX4C15D010 EX4C159040 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P856985
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 EX4C159040 4LBSH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

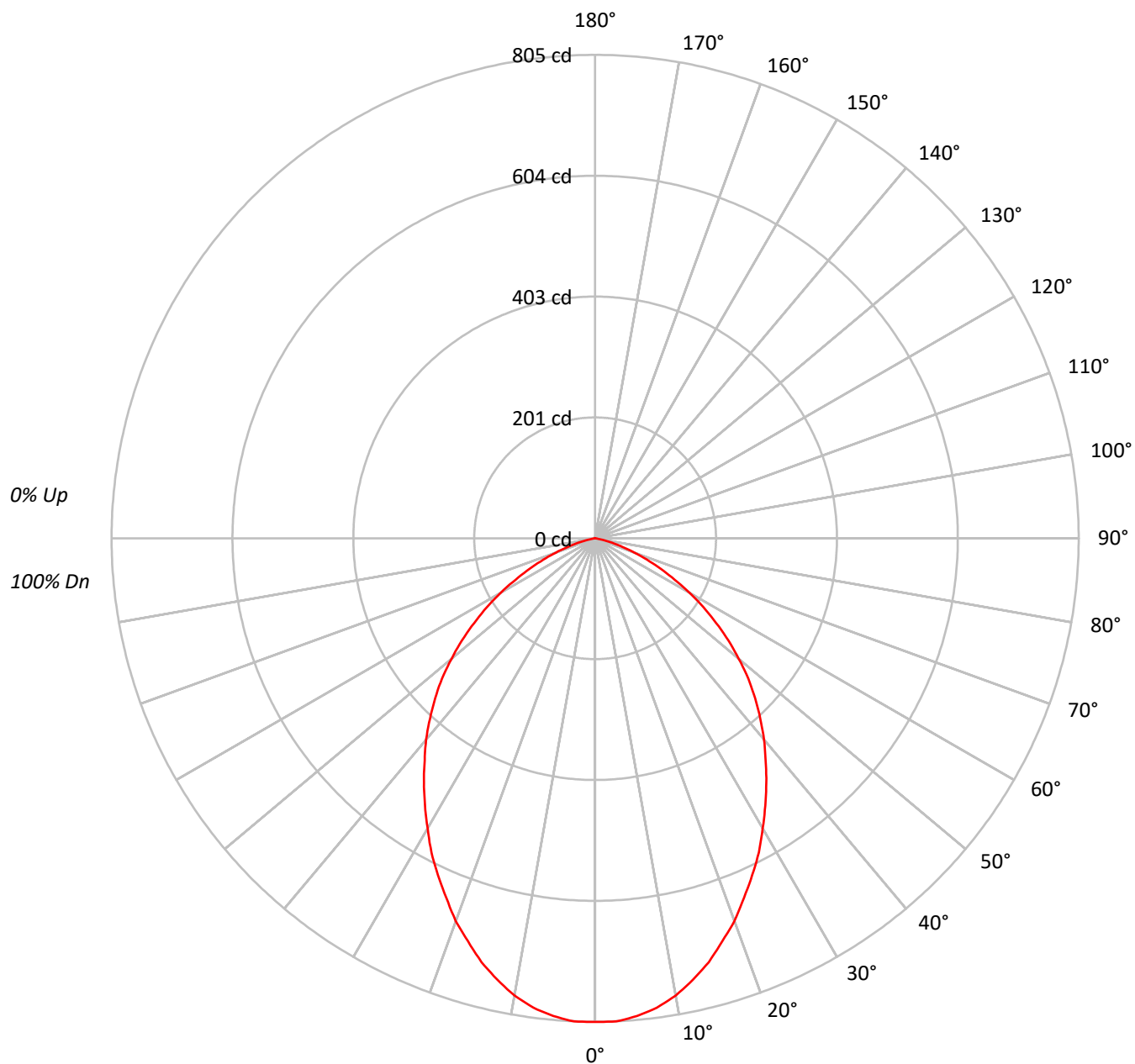
Lumens per Lamp: N/A
Luminaire Lumens: 1540.0 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98946
5°	98486
10°	96456
15°	92948
20°	88666
25°	83894
30°	79129
35°	74508
40°	70164
45°	65396
50°	59631
55°	52669
60°	44571
65°	35000
70°	24964
75°	13670
80°	2405
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	4.9
10°-20°	205.1	13.3
20°-30°	284.8	18.5
30°-40°	310.7	20.2
40°-50°	289.9	18.8
50°-60°	220.0	14.3
60°-70°	120.5	7.8
70°-80°	33.2	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°	565.3	36.7
0°-40°	876.0	56.9
0°-60°	1385.9	90.0
0°-90°	1540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1540.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	805	
5°	799	75
15°	731	205
25°	619	285
35°	497	311
45°	376	290
55°	246	220
65°	120	120
75°	29	33
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	805.4
2.5°	805.4
5°	798.6
7.5°	788.5
10°	773.2
12.5°	752.9
15°	730.8
17.5°	703.7
20°	678.2
22.5°	647.7
25°	618.9
27.5°	590.1
30°	557.8
32.5°	527.3
35°	496.8
37.5°	466.3
40°	437.5
42.5°	406.9
45°	376.4
47.5°	345.9
50°	312.0
52.5°	279.8
55°	245.9
57.5°	213.6
60°	181.4
62.5°	149.2
65°	120.4
67.5°	93.2
70°	69.5
72.5°	47.5
75°	28.8
77.5°	13.6
80°	3.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)