

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: P859650

Luminaire Tested: **LX4C08D010 EX4C089030 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859650
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: LX4C08D010 EX4C089030 4LBMDH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

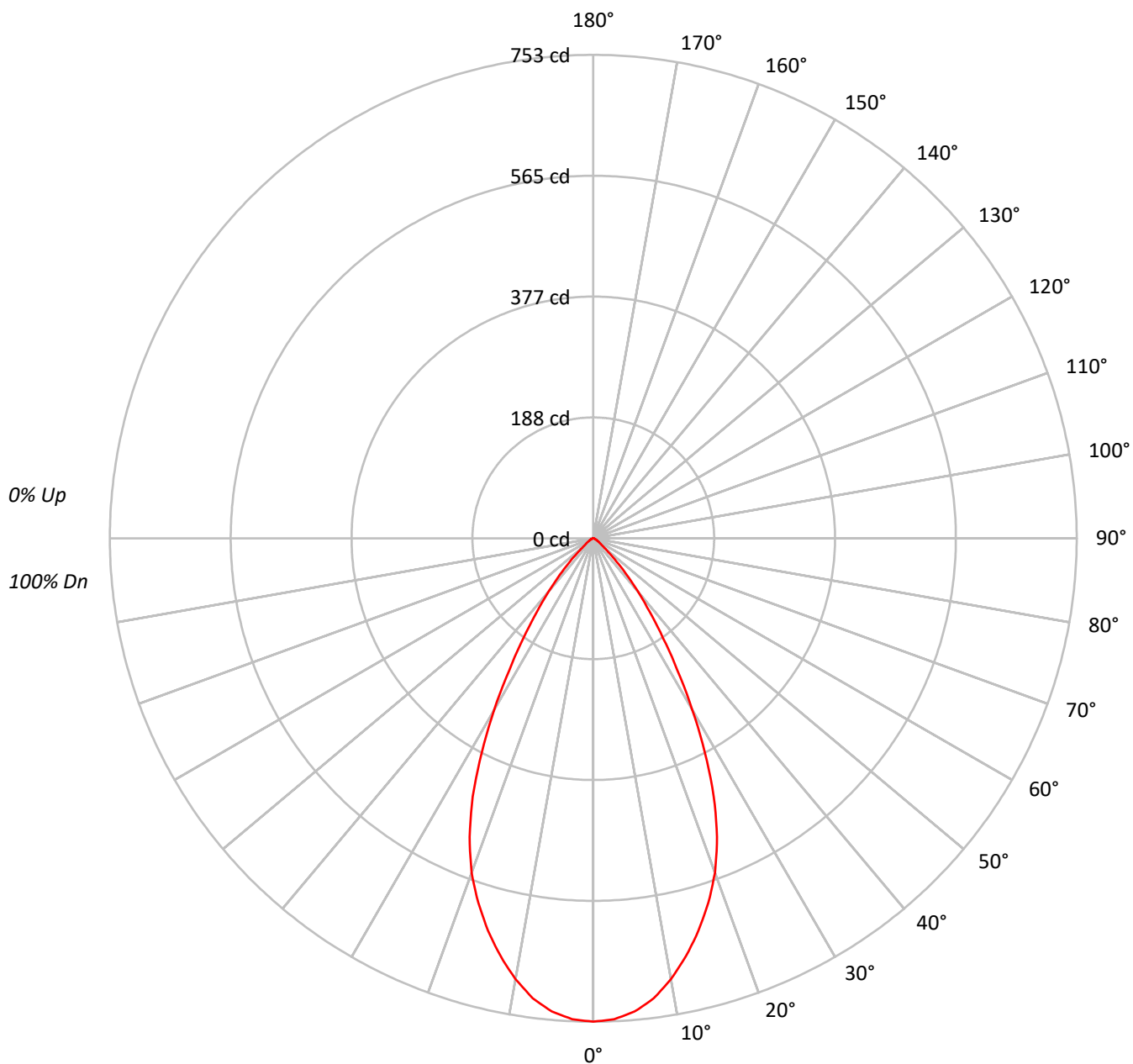
Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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	113	111	108	106		111	109	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	90	84	80		95	88	83	79		86	82	78		84	80	77		82	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68		86	78	72	68		76	71	68		75	71	67		74	70	67
7	83	74	68	64		82	73	68	64		72	67	63		71	66	63		70	66	63
8	79	70	64	60		78	69	63	60		68	63	59		67	62	59		66	62	59
9	76	66	60	56		74	65	60	56		64	59	56		64	59	56		63	58	55
10	72	62	57	53		71	62	56	53		61	56	53		60	56	52		60	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92496
5°	91259
10°	86975
15°	80484
20°	72442
25°	60186
30°	43749
35°	28361
40°	17160
45°	8843
50°	4014
55°	2420
60°	1622
65°	1163
70°	862
75°	570
80°	354
85°	282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	11.1
10°-20°	176.6	28.3
20°-30°	199.7	31.9
30°-40°	120.7	19.3
40°-50°	42.3	6.8
50°-60°	10.8	1.7
60°-70°	4.1	0.7
70°-80°	1.4	0.2
80°-90°	0.2	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°	445.5	71.3
0°-40°	566.2	90.6
0°-60°	619.3	99.1
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	753	
5°	740	69
15°	633	177
25°	444	200
35°	189	121
45°	51	42
55°	11	11
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	752.9
2.5°	749.8
5°	740.0
7.5°	722.5
10°	697.2
12.5°	666.7
15°	632.8
17.5°	595.5
20°	554.1
22.5°	503.4
25°	444.0
27.5°	376.0
30°	308.4
32.5°	243.8
35°	189.1
37.5°	143.4
40°	107.0
42.5°	76.9
45°	50.9
47.5°	31.3
50°	21.0
52.5°	15.1
55°	11.3
57.5°	8.7
60°	6.6
62.5°	5.2
65°	4.0
67.5°	3.1
70°	2.4
72.5°	1.7
75°	1.2
77.5°	0.9
80°	0.5
82.5°	0.3
85°	0.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)