

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: P859803

Luminaire Tested: **LX4C08D010 EX4C089030 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859803
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, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

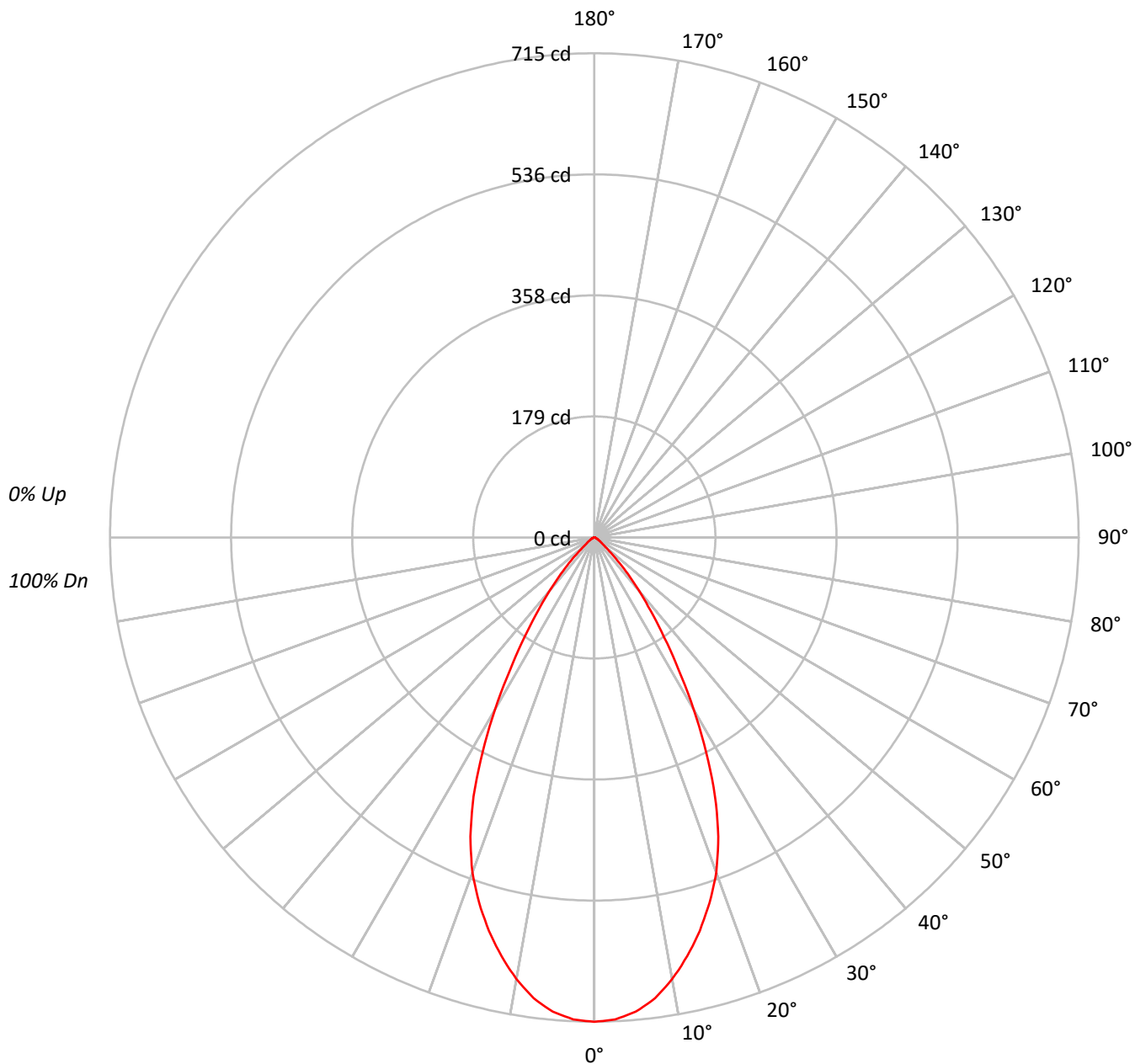
Lumens per Lamp: N/A
Luminaire Lumens: 593.8 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 10.7
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

TEST NUMBER: P859803

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P859803

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBMDH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87877
5°	86696
10°	82621
15°	76465
20°	68820
25°	57177
30°	41565
35°	26936
40°	16294
45°	8409
50°	3823
55°	2292
60°	1548
65°	1105
70°	826
75°	522
80°	354
85°	282



TEST NUMBER: P859803

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	11.1
10°-20°	167.7	28.3
20°-30°	189.7	31.9
30°-40°	114.6	19.3
40°-50°	40.2	6.8
50°-60°	10.3	1.7
60°-70°	3.9	0.7
70°-80°	1.3	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°	423.2	71.3
0°-40°	537.8	90.6
0°-60°	588.3	99.1
0°-90°	593.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	715	
5°	703	66
15°	601	168
25°	422	190
35°	180	115
45°	48	40
55°	11	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P859803

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	715.3
2.5°	712.3
5°	703.0
7.5°	686.4
10°	662.3
12.5°	633.4
15°	601.2
17.5°	565.7
20°	526.4
22.5°	478.2
25°	421.8
27.5°	357.2
30°	293.0
32.5°	231.6
35°	179.6
37.5°	136.2
40°	101.6
42.5°	73.1
45°	48.4
47.5°	29.7
50°	20.0
52.5°	14.3
55°	10.7
57.5°	8.3
60°	6.3
62.5°	4.9
65°	3.8
67.5°	2.9
70°	2.3
72.5°	1.6
75°	1.1
77.5°	0.9
80°	0.5
82.5°	0.3
85°	0.2
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)