

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: P859823

Luminaire Tested: **LX4C08D010 EX4C089030 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P859823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EX4C089030 4LBSLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND
4LBS TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

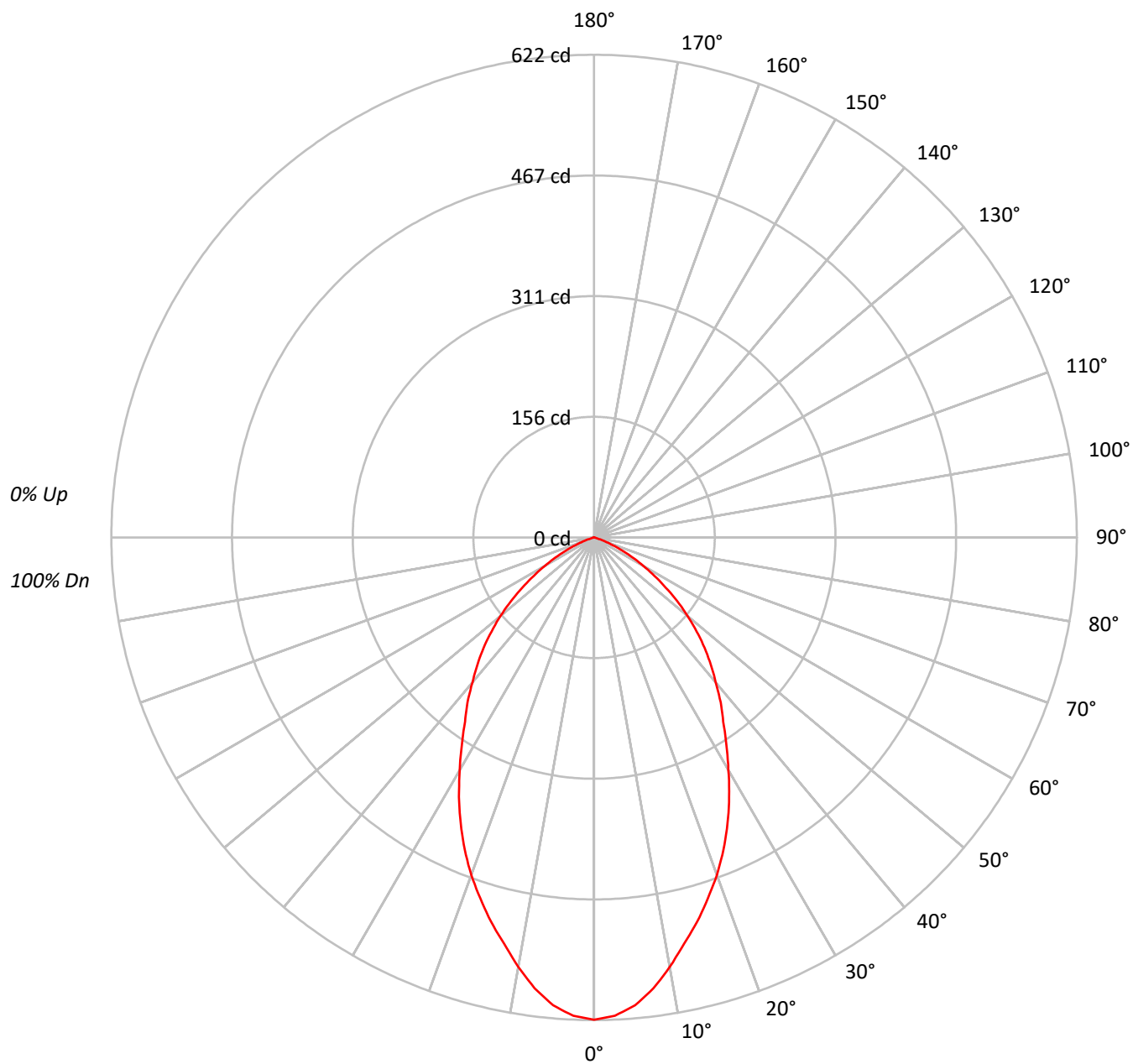
Lumens per Lamp: N/A
Luminaire Lumens: 870.7 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	104	98	93	88	102	96	91	87	93	89	85		90	86	84		87
3	97	89	82	77	95	87	81	77	84	79	75		82	78	74		79
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73
5	84	73	66	61	82	72	65	60	70	64	60		69	63	59		67
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62
7	74	62	54	49	72	61	54	49	60	53	49		58	53	48		57
8	69	57	50	45	68	57	50	45	55	49	45		54	49	44		53
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76366
5°	74647
10°	70096
15°	65222
20°	60492
25°	55143
30°	49097
35°	43508
40°	39099
45°	35009
50°	30045
55°	24160
60°	17986
65°	11512
70°	5568
75°	902
80°	707
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	6.5
10°-20°	143.8	16.5
20°-30°	186.3	21.4
30°-40°	182.5	21.0
40°-50°	154.7	17.8
50°-60°	101.4	11.7
60°-70°	40.8	4.7
70°-80°	4.7	0.5
80°-90°	0.1	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°	386.5	44.4
0°-40°	569.0	65.3
0°-60°	825.2	94.8
0°-90°	870.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	622	
5°	605	56
15°	513	144
25°	407	186
35°	290	183
45°	202	155
55°	113	101
65°	40	41
75°	2	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	621.6
2.5°	616.9
5°	605.3
7.5°	586.0
10°	561.9
12.5°	536.0
15°	512.8
17.5°	487.7
20°	462.7
22.5°	435.7
25°	406.8
27.5°	376.9
30°	346.1
32.5°	317.2
35°	290.1
37.5°	267.9
40°	243.8
42.5°	222.7
45°	201.5
47.5°	179.2
50°	157.2
52.5°	134.9
55°	112.8
57.5°	92.6
60°	73.2
62.5°	55.8
65°	39.6
67.5°	26.0
70°	15.5
72.5°	6.7
75°	1.9
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)