

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: P859634

Luminaire Tested: **LX4C08D010 EX4C089027 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P859634
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 EX4C089027 4LBSLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

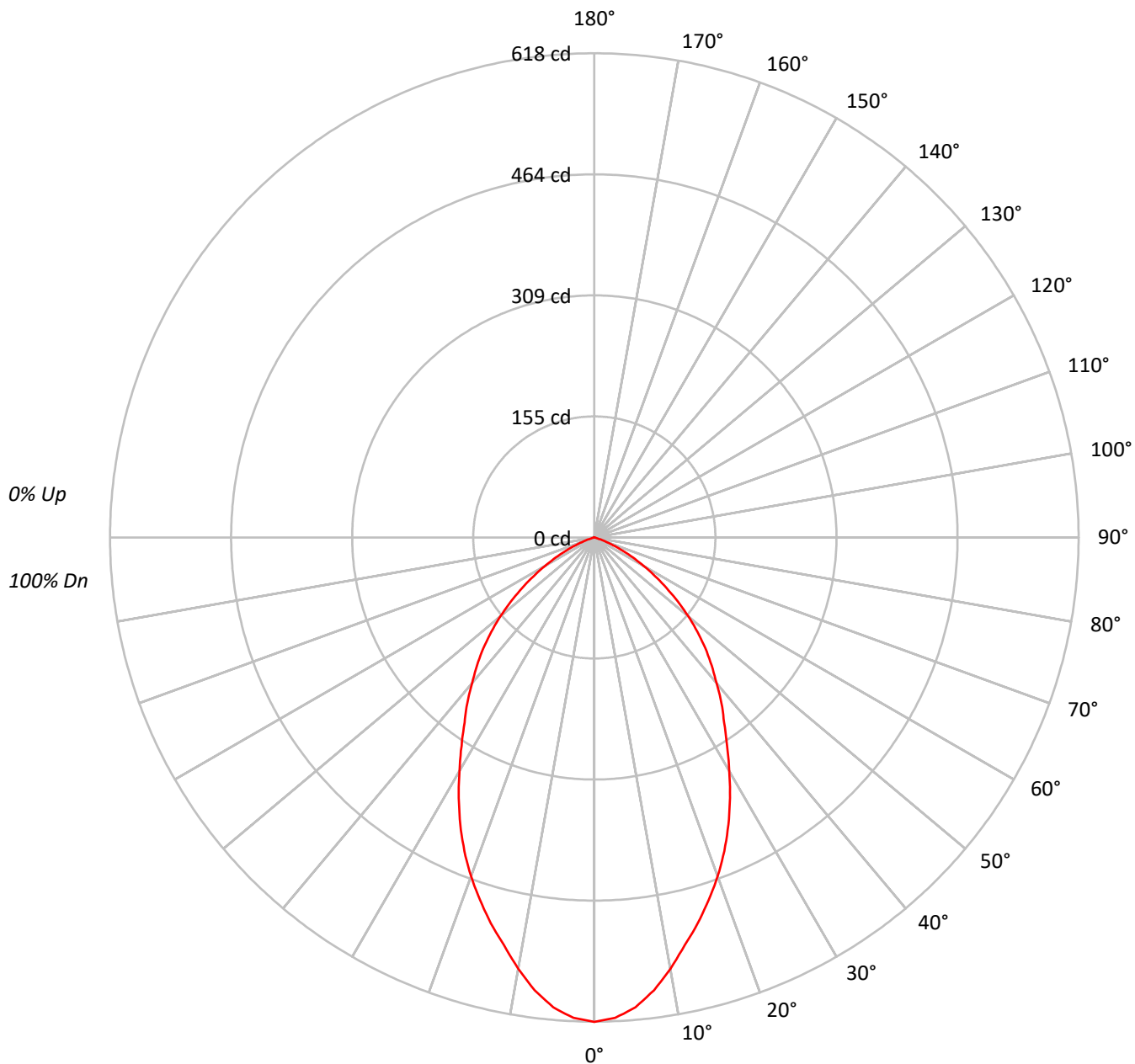
Lumens per Lamp: N/A
Luminaire Lumens: 866.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	112	108	105	102		109	106	103	101		102	100	98		98	96	95		95	93	92
2	104	98	93	88		102	96	91	87		93	89	85		90	86	84		87	84	82
3	97	89	82	77		95	87	81	77		84	79	75		82	78	74		79	76	73
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	73	66	61		82	72	65	60		70	64	60		69	63	59		67	62	59
6	79	67	60	54		77	66	59	54		65	58	54		63	58	53		62	57	53
7	74	62	54	49		72	61	54	49		60	53	49		58	53	48		57	52	48
8	69	57	50	45		68	57	50	45		55	49	45		54	49	44		53	48	44
9	65	53	46	41		64	53	46	41		52	45	41		51	45	41		50	44	41
10	61	50	43	38		60	49	42	38		48	42	38		47	42	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75973
5°	74240
10°	69722
15°	64866
20°	60166
25°	54845
30°	48828
35°	43283
40°	38891
45°	34818
50°	29873
55°	24032
60°	17912
65°	11424
70°	5496
75°	902
80°	707
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	6.5
10°-20°	143.0	16.5
20°-30°	185.3	21.4
30°-40°	181.6	21.0
40°-50°	153.9	17.8
50°-60°	100.9	11.6
60°-70°	40.6	4.7
70°-80°	4.6	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°	384.4	44.4
0°-40°	565.9	65.3
0°-60°	820.7	94.8
0°-90°	866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	618	
5°	602	56
15°	510	143
25°	405	185
35°	289	182
45°	200	154
55°	112	101
65°	39	41
75°	2	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	618.4
2.5°	613.6
5°	602.0
7.5°	582.9
10°	558.9
12.5°	533.0
15°	510.0
17.5°	485.1
20°	460.2
22.5°	433.3
25°	404.6
27.5°	374.8
30°	344.2
32.5°	315.4
35°	288.6
37.5°	266.5
40°	242.5
42.5°	221.5
45°	200.4
47.5°	178.3
50°	156.3
52.5°	134.2
55°	112.2
57.5°	92.0
60°	72.9
62.5°	55.6
65°	39.3
67.5°	25.9
70°	15.3
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)