

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: P859682

Luminaire Tested: **LX4C08D010 EX4C089035 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EX4C089035 4LBWH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

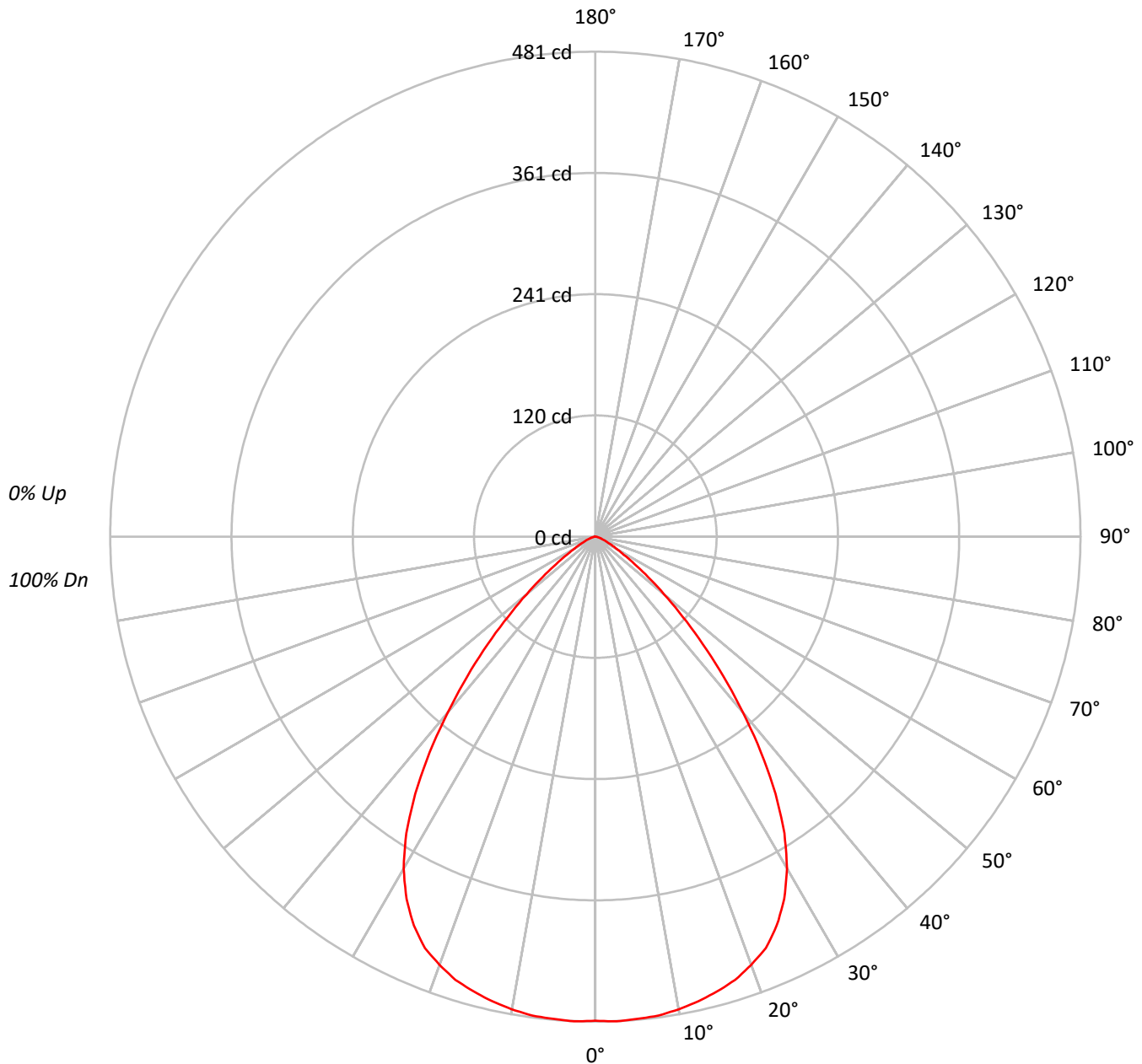
Lumens per Lamp: N/A
Luminaire Lumens: 744.9 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58994
5°	59220
10°	59393
15°	59396
20°	59080
25°	57692
30°	53921
35°	46688
40°	36469
45°	26165
50°	17010
55°	10174
60°	5946
65°	3837
70°	2550
75°	1899
80°	1415
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	6.1
10°-20°	131.8	17.7
20°-30°	194.4	26.1
30°-40°	191.9	25.8
40°-50°	117.4	15.8
50°-60°	45.0	6.0
60°-70°	14.1	1.9
70°-80°	4.1	0.6
80°-90°	0.5	0.1
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°	371.9	49.9
0°-40°	563.8	75.7
0°-60°	726.2	97.5
0°-90°	744.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	744.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	480	
5°	480	46
15°	467	132
25°	426	194
35°	311	192
45°	151	117
55°	48	45
65°	13	14
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	480.2
2.5°	481.2
5°	480.2
7.5°	479.2
10°	476.1
12.5°	472.1
15°	467.0
17.5°	461.0
20°	451.9
22.5°	441.8
25°	425.6
27.5°	405.4
30°	380.1
32.5°	348.8
35°	311.3
37.5°	269.9
40°	227.4
42.5°	188.0
45°	150.6
47.5°	117.2
50°	89.0
52.5°	65.7
55°	47.5
57.5°	33.3
60°	24.2
62.5°	18.2
65°	13.2
67.5°	10.1
70°	7.1
72.5°	5.1
75°	4.0
77.5°	2.0
80°	2.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)