

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: P859809

Luminaire Tested: **LX4C08D010 EX4C089030 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P859809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EX4C089030 4LBSH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND
4LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

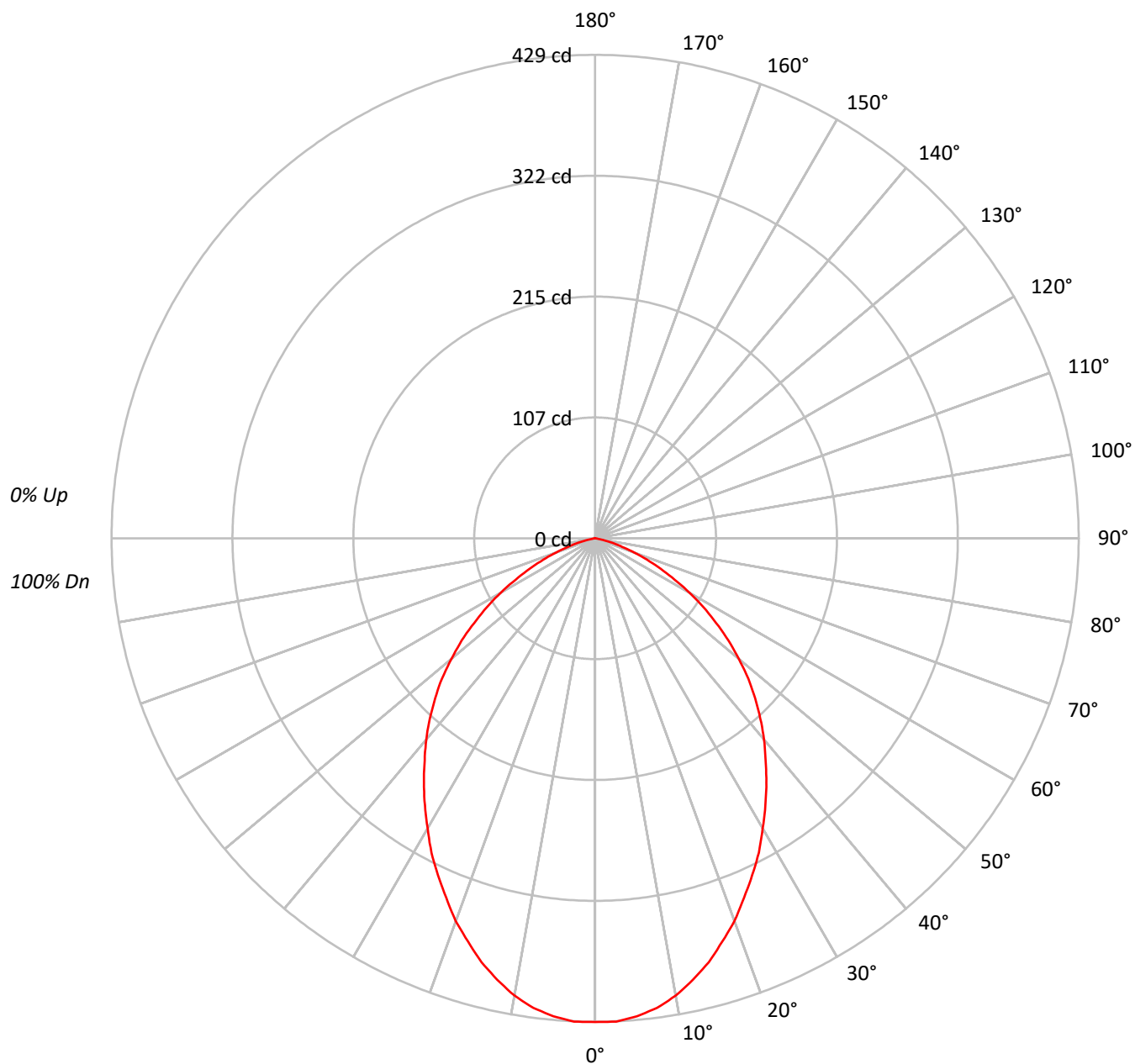
Lumens per Lamp: N/A
Luminaire Lumens: 820.7 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	111	107	104	101	108	105	102	99		101	98	96			97	95	93			93
2	102	96	90	85	100	94	88	84		90	86	82			87	83	80			84
3	95	85	78	73	92	84	77	72		81	75	71			78	74	70			76
4	87	77	69	63	85	75	68	63		73	67	62			71	65	61			69
5	81	69	61	55	79	68	61	55		66	60	55			64	59	54			63
6	75	63	55	49	73	62	54	49		60	54	49			59	53	48			57
7	70	58	50	44	68	57	49	44		55	49	44			54	48	43			53
8	65	53	45	40	64	52	45	40		51	44	39			50	44	39			49
9	61	49	41	36	60	48	41	36		47	40	36			46	40	36			45
10	58	45	38	33	56	45	38	33		44	37	33			43	37	33			42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52741
5°	52498
10°	51409
15°	49539
20°	47262
25°	44706
30°	42175
35°	39714
40°	37383
45°	34852
50°	31765
55°	28059
60°	23760
65°	18634
70°	13290
75°	7310
80°	1273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	4.9
10°-20°	109.3	13.3
20°-30°	151.8	18.5
30°-40°	165.6	20.2
40°-50°	154.5	18.8
50°-60°	117.3	14.3
60°-70°	64.2	7.8
70°-80°	17.7	2.2
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°	301.3	36.7
0°-40°	466.9	56.9
0°-60°	738.7	90.0
0°-90°	820.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	429	
5°	426	40
15°	390	109
25°	330	152
35°	265	166
45°	201	154
55°	131	117
65°	64	64
75°	15	18
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	429.3
2.5°	429.3
5°	425.7
7.5°	420.3
10°	412.1
12.5°	401.3
15°	389.5
17.5°	375.1
20°	361.5
22.5°	345.2
25°	329.8
27.5°	314.5
30°	297.3
32.5°	281.1
35°	264.8
37.5°	248.5
40°	233.1
42.5°	216.9
45°	200.6
47.5°	184.4
50°	166.2
52.5°	149.2
55°	131.0
57.5°	113.9
60°	96.7
62.5°	79.5
65°	64.1
67.5°	49.7
70°	37.0
72.5°	25.3
75°	15.4
77.5°	7.2
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)