

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: P859677

Luminaire Tested: **LX4C08D010 EX4C089035 4LBNH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EX4C089035 4LBNH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

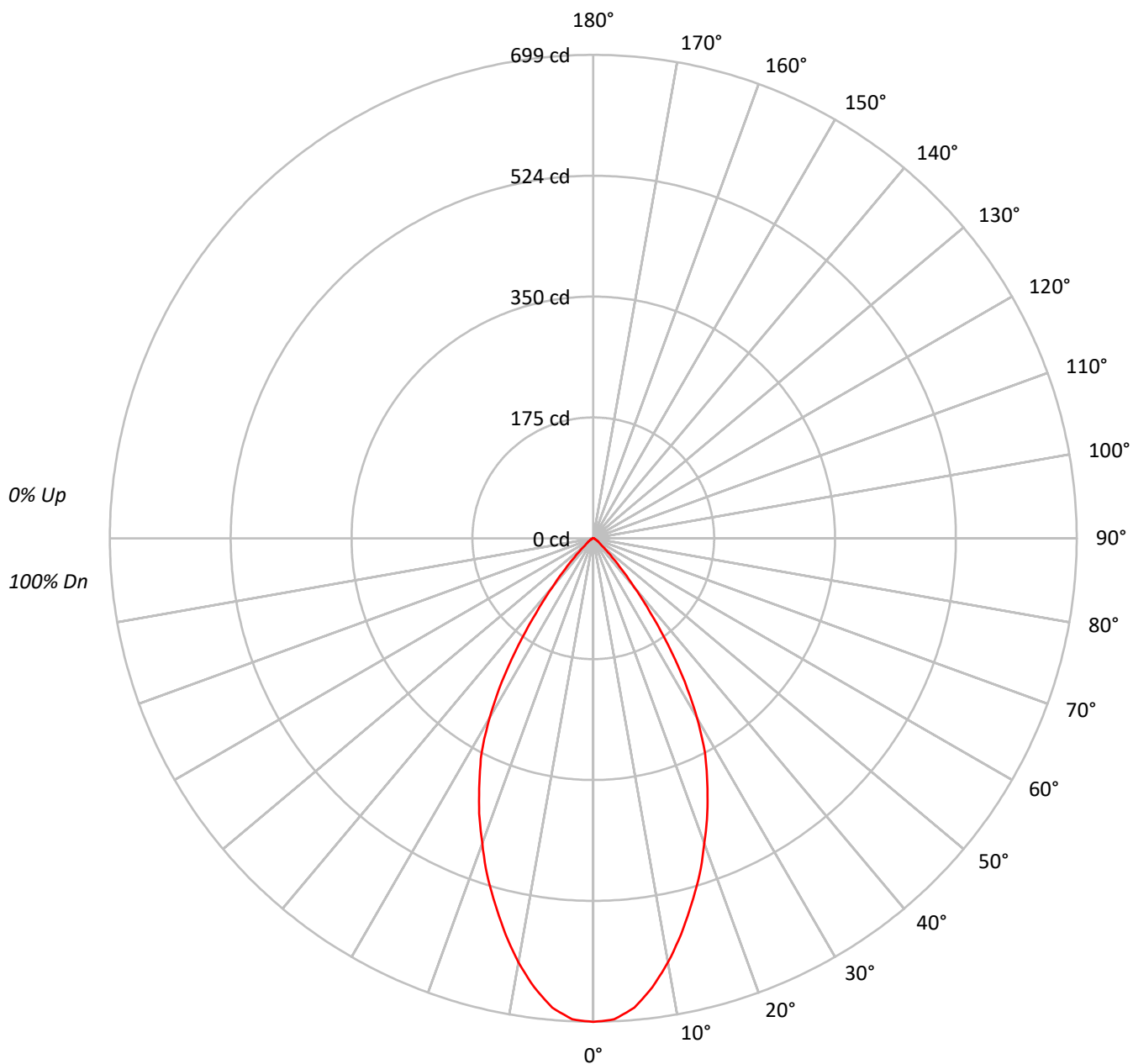
Lumens per Lamp: N/A
Luminaire Lumens: 557.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	109	106	104		105	103	101			101	99	98			97
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			92
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			87
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			83
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			78
6	88	79	73	69	86	78	72	68		77	72	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	64	60		68	63	59			67	63	59			66
9	76	66	60	56	74	65	60	56		65	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°	85911
5°	84007
10°	77669
15°	69699
20°	61355
25°	52798
30°	42515
35°	28301
40°	14722
45°	6672
50°	2886
55°	1949
60°	1253
65°	872
70°	718
75°	475
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	11.3
10°-20°	153.1	27.5
20°-30°	177.7	31.9
30°-40°	117.7	21.1
40°-50°	33.0	5.9
50°-60°	8.3	1.5
60°-70°	3.1	0.6
70°-80°	1.1	0.2
80°-90°	0.0	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°	393.9	70.7
0°-40°	511.5	91.8
0°-60°	552.8	99.3
0°-90°	557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	699	
5°	681	63
15°	548	153
25°	390	178
35°	189	118
45°	38	33
55°	9	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	699.3
2.5°	696.3
5°	681.2
7.5°	654.9
10°	622.6
12.5°	586.3
15°	548.0
17.5°	510.6
20°	469.3
22.5°	430.9
25°	389.5
27.5°	350.2
30°	299.7
32.5°	246.2
35°	188.7
37.5°	135.2
40°	91.8
42.5°	59.5
45°	38.4
47.5°	23.2
50°	15.1
52.5°	11.1
55°	9.1
57.5°	7.1
60°	5.1
62.5°	4.0
65°	3.0
67.5°	2.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)