

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: P858149

Luminaire Tested: **LX4C45D010 EX4C459035 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C45D010 EX4C459035 4LBMDLI
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

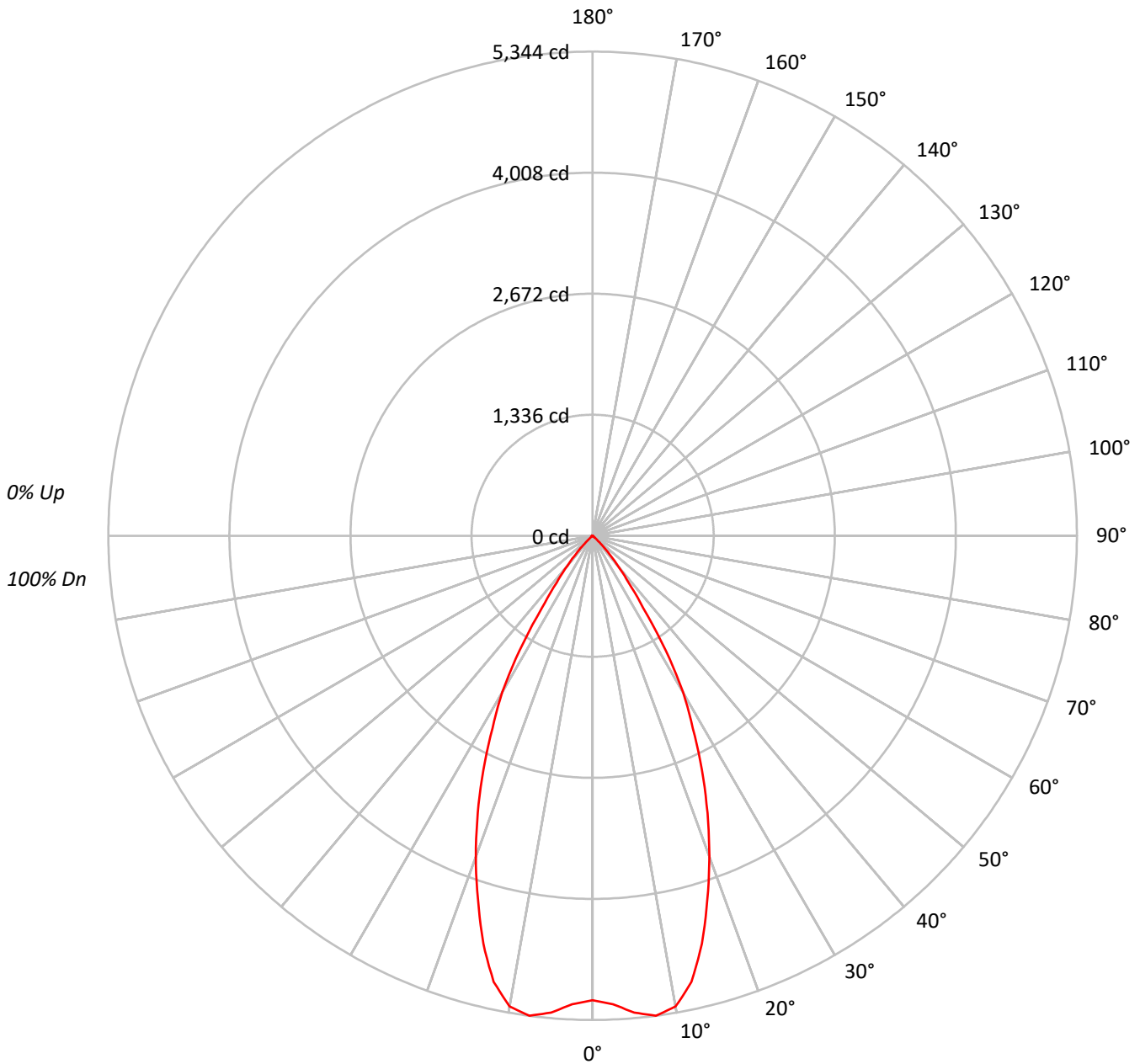
Lumens per Lamp: N/A
Luminaire Lumens: 3904.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
Input Voltage (V):
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	70	69			69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62			62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58			58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55			55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	629943
5°	651403
10°	658012
15°	592744
20°	492594
25°	386464
30°	282824
35°	146152
40°	69410
45°	24411
50°	5524
55°	3598
60°	2506
65°	1890
70°	1329
75°	902
80°	637
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.5	12.9
10°-20°	1283.6	32.9
20°-30°	1298.9	33.3
30°-40°	662.2	17.0
40°-50°	129.8	3.3
50°-60°	15.7	0.4
60°-70°	6.5	0.2
70°-80°	2.3	0.1
80°-90°	0.4	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°	3087.1	79.1
0°-40°	3749.3	96.0
0°-60°	3894.8	99.8
0°-90°	3904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3904.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5128	
5°	5282	505
15°	4660	1284
25°	2851	1299
35°	974	662
45°	140	130
55°	17	16
65°	6	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5127.6
2.5°	5175.1
5°	5282.1
7.5°	5343.6
10°	5274.7
12.5°	5042.9
15°	4660.4
17.5°	4208.9
20°	3767.8
22.5°	3310.8
25°	2851.0
27.5°	2393.0
30°	1993.7
32.5°	1502.3
35°	974.5
37.5°	652.5
40°	432.8
42.5°	271.8
45°	140.5
47.5°	50.3
50°	28.9
52.5°	21.4
55°	16.8
57.5°	13.0
60°	10.2
62.5°	8.4
65°	6.5
67.5°	4.7
70°	3.7
72.5°	2.8
75°	1.9
77.5°	1.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)