

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: P858840

Luminaire Tested: **LX4C05D010 EX4C059050 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858840
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: LX4C05D010 EX4C059050 4LBMDLI
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

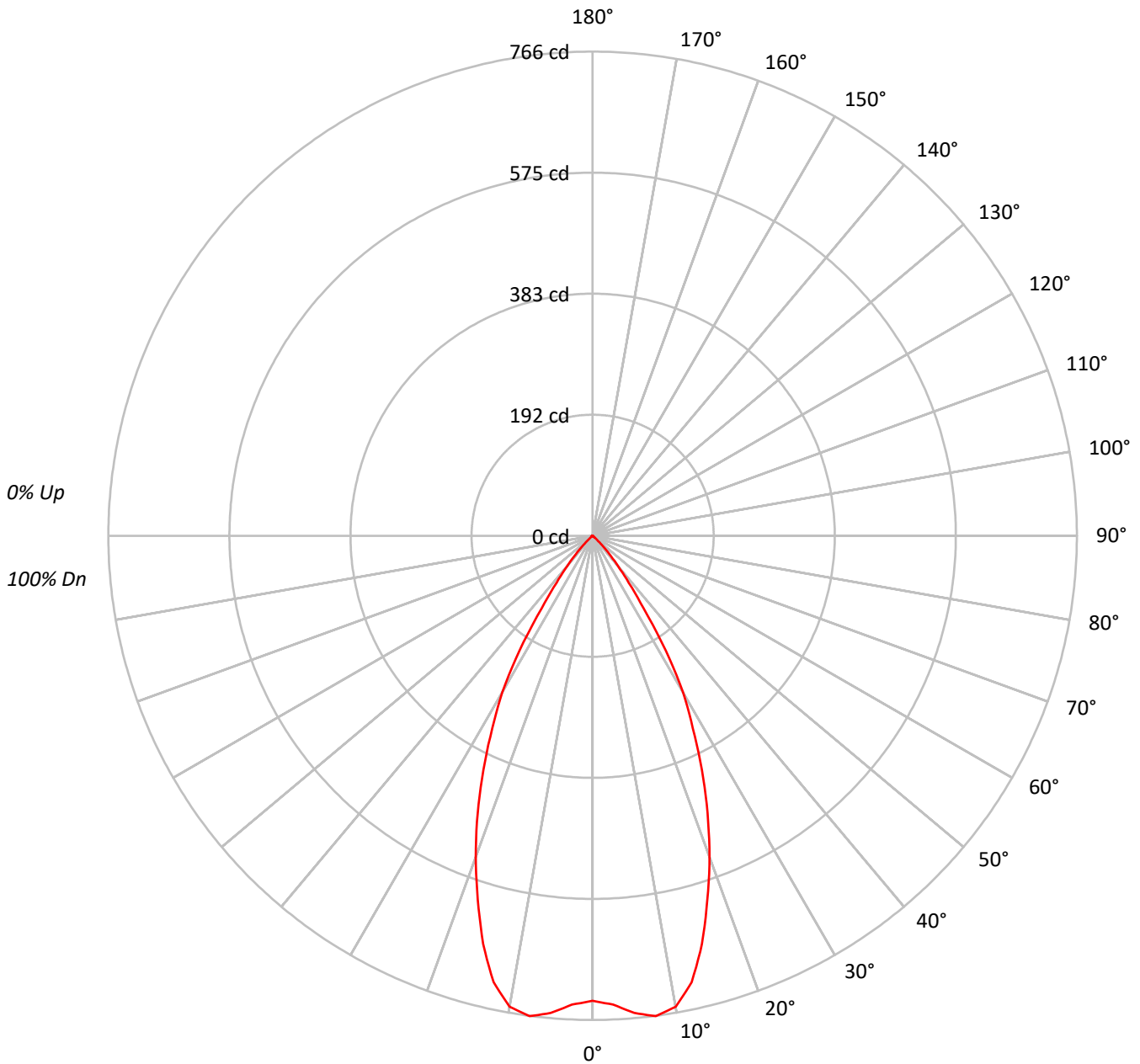
Lumens per Lamp: N/A
Luminaire Lumens: 560.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	79	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°	90359
5°	93442
10°	94385
15°	85025
20°	70664
25°	55428
30°	40572
35°	20967
40°	9959
45°	3510
50°	784
55°	514
60°	369
65°	262
70°	180
75°	142
80°	71
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	12.9
10°-20°	184.1	32.9
20°-30°	186.3	33.3
30°-40°	95.0	17.0
40°-50°	18.6	3.3
50°-60°	2.3	0.4
60°-70°	0.9	0.2
70°-80°	0.3	0.1
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°	442.8	79.1
0°-40°	537.8	96.0
0°-60°	558.7	99.8
0°-90°	560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	736	
5°	758	72
15°	668	184
25°	409	186
35°	140	95
45°	20	19
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	735.5
2.5°	742.3
5°	757.7
7.5°	766.5
10°	756.6
12.5°	723.4
15°	668.5
17.5°	603.7
20°	540.5
22.5°	474.9
25°	408.9
27.5°	343.3
30°	286.0
32.5°	215.5
35°	139.8
37.5°	93.6
40°	62.1
42.5°	39.0
45°	20.2
47.5°	7.2
50°	4.1
52.5°	3.1
55°	2.4
57.5°	1.9
60°	1.5
62.5°	1.2
65°	0.9
67.5°	0.7
70°	0.5
72.5°	0.4
75°	0.3
77.5°	0.3
80°	0.1
82.5°	0.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)