

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: P858191

Luminaire Tested: **LX4C45D010 EX4C459050 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858191
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 EX4C459050 4LBMDLI
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

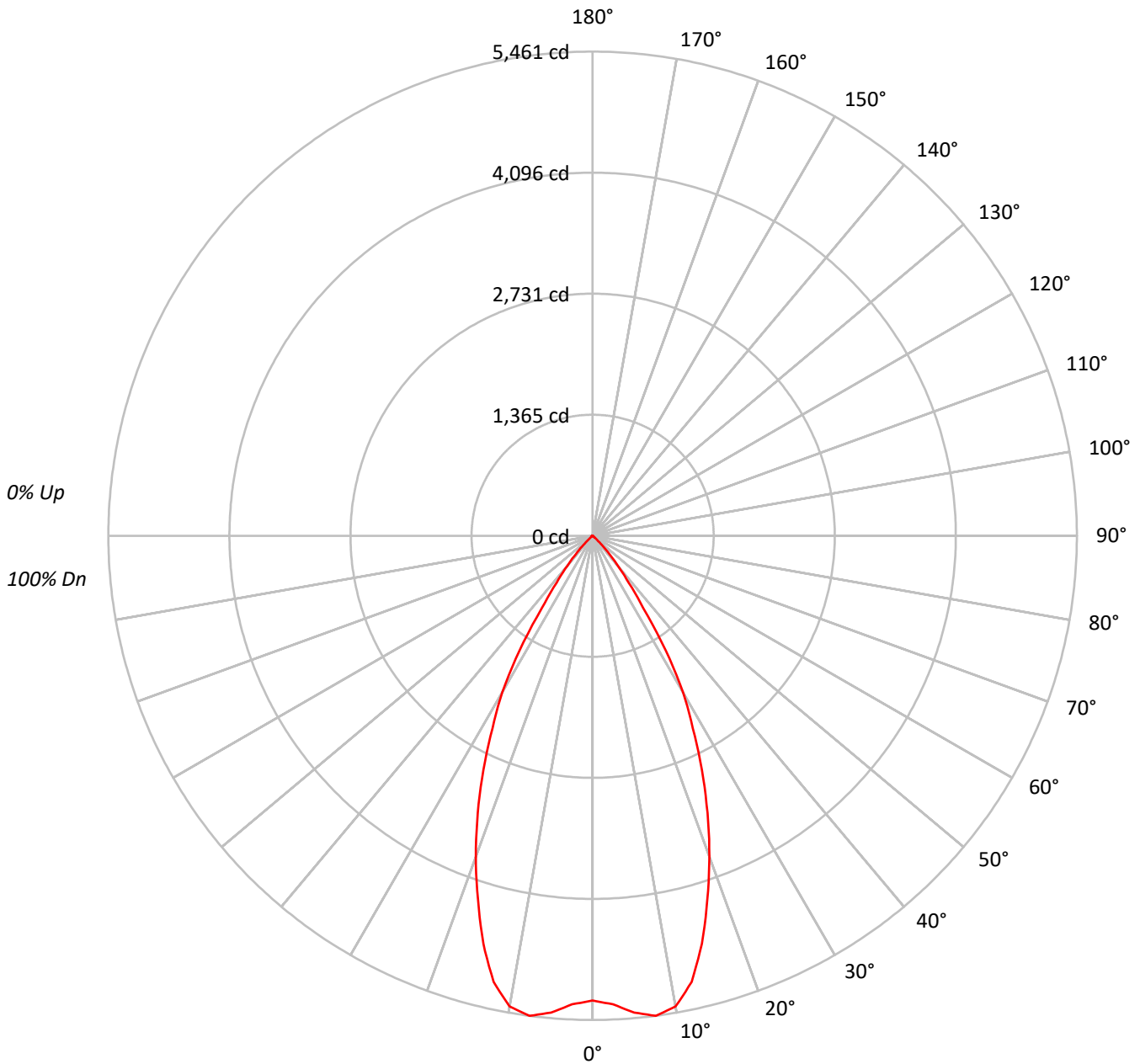
Lumens per Lamp: N/A
Luminaire Lumens: 3990.1 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	643826
5°	665758
10°	672508
15°	605793
20°	503446
25°	394977
30°	289052
35°	149376
40°	70933
45°	24949
50°	5638
55°	3663
60°	2580
65°	1948
70°	1365
75°	902
80°	707
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.6	12.9
10°-20°	1311.9	32.9
20°-30°	1327.5	33.3
30°-40°	676.8	17.0
40°-50°	132.7	3.3
50°-60°	16.1	0.4
60°-70°	6.7	0.2
70°-80°	2.4	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°	3155.1	79.1
0°-40°	3831.8	96.0
0°-60°	3980.6	99.8
0°-90°	3990.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3990.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5241	
5°	5398	516
15°	4763	1312
25°	2914	1328
35°	996	677
45°	144	133
55°	17	16
65°	7	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5240.6
2.5°	5289.1
5°	5398.5
7.5°	5461.3
10°	5390.9
12.5°	5154.0
15°	4763.0
17.5°	4301.7
20°	3850.8
22.5°	3383.7
25°	2913.8
27.5°	2445.7
30°	2037.6
32.5°	1535.4
35°	996.0
37.5°	666.8
40°	442.3
42.5°	277.8
45°	143.6
47.5°	51.4
50°	29.5
52.5°	21.9
55°	17.1
57.5°	13.3
60°	10.5
62.5°	8.6
65°	6.7
67.5°	4.8
70°	3.8
72.5°	2.9
75°	1.9
77.5°	1.9
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)