

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: P856745

Luminaire Tested: **LX4C10D010 EX4C109035 4LBMDLI**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P856745
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: LX4C10D010 EX4C109035 4LBMDLI
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

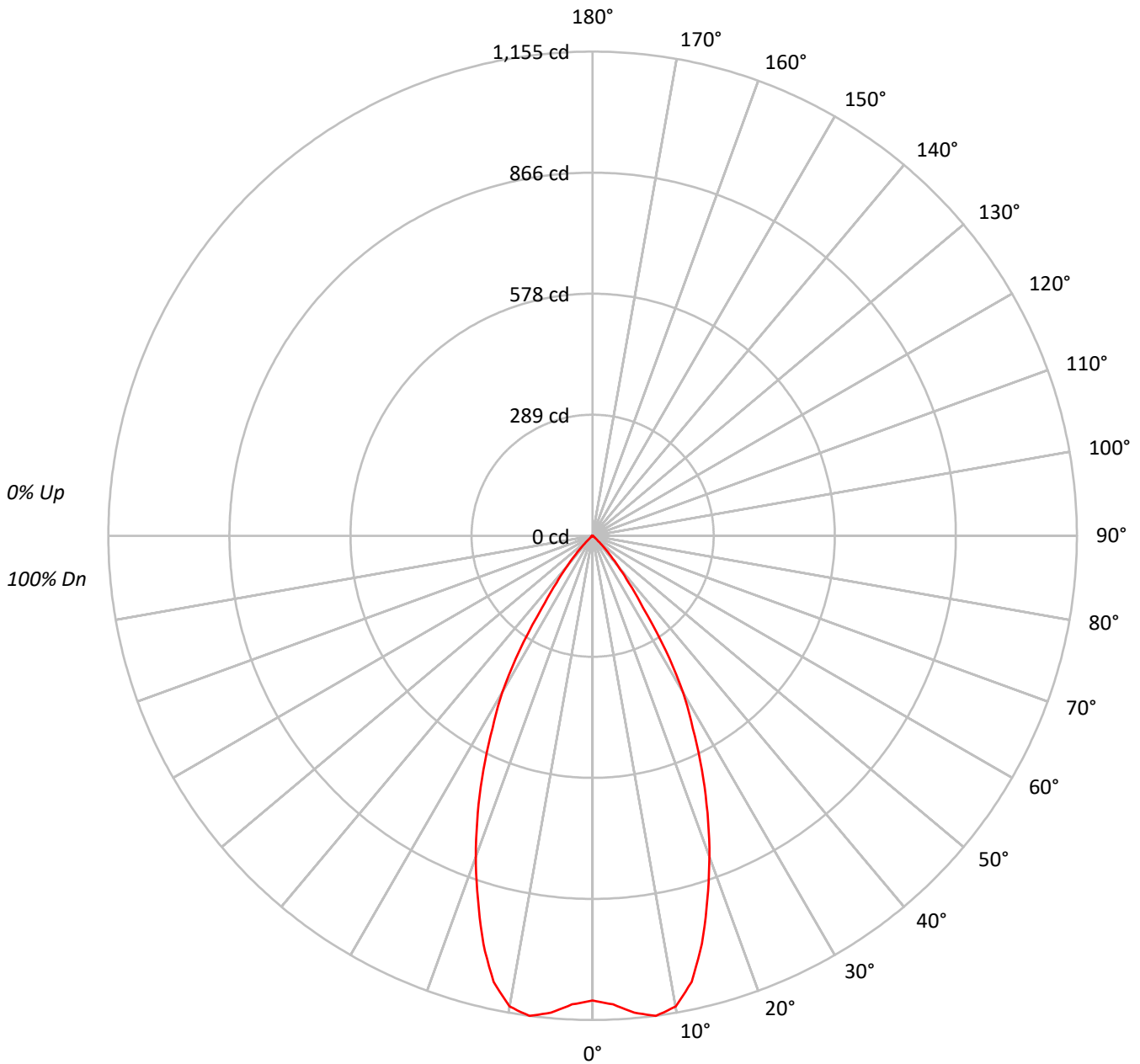
Lumens per Lamp: N/A
Luminaire Lumens: 844.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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									
RC	80									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	80	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°	136183
5°	140822
10°	142251
15°	128141
20°	106486
25°	83542
30°	61141
35°	31600
40°	15011
45°	5282
50°	1185
55°	771
60°	541
65°	407
70°	287
75°	190
80°	141
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	12.9
10°-20°	277.5	32.9
20°-30°	280.8	33.3
30°-40°	143.2	17.0
40°-50°	28.1	3.3
50°-60°	3.4	0.4
60°-70°	1.4	0.2
70°-80°	0.5	0.1
80°-90°	0.1	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°	667.4	79.1
0°-40°	810.5	96.0
0°-60°	842.0	99.8
0°-90°	844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1108	
5°	1142	109
15°	1008	278
25°	616	281
35°	211	143
45°	30	28
55°	4	3
65°	1	1
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1108.5
2.5°	1118.8
5°	1141.9
7.5°	1155.2
10°	1140.3
12.5°	1090.2
15°	1007.5
17.5°	909.9
20°	814.5
22.5°	715.7
25°	616.3
27.5°	517.3
30°	431.0
32.5°	324.8
35°	210.7
37.5°	141.1
40°	93.6
42.5°	58.8
45°	30.4
47.5°	10.9
50°	6.2
52.5°	4.6
55°	3.6
57.5°	2.8
60°	2.2
62.5°	1.8
65°	1.4
67.5°	1.0
70°	0.8
72.5°	0.6
75°	0.4
77.5°	0.4
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)