

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: P857187

Luminaire Tested: **LX4C20D010 EX4C209040 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857187  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EX4C209040 4LBMDH  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

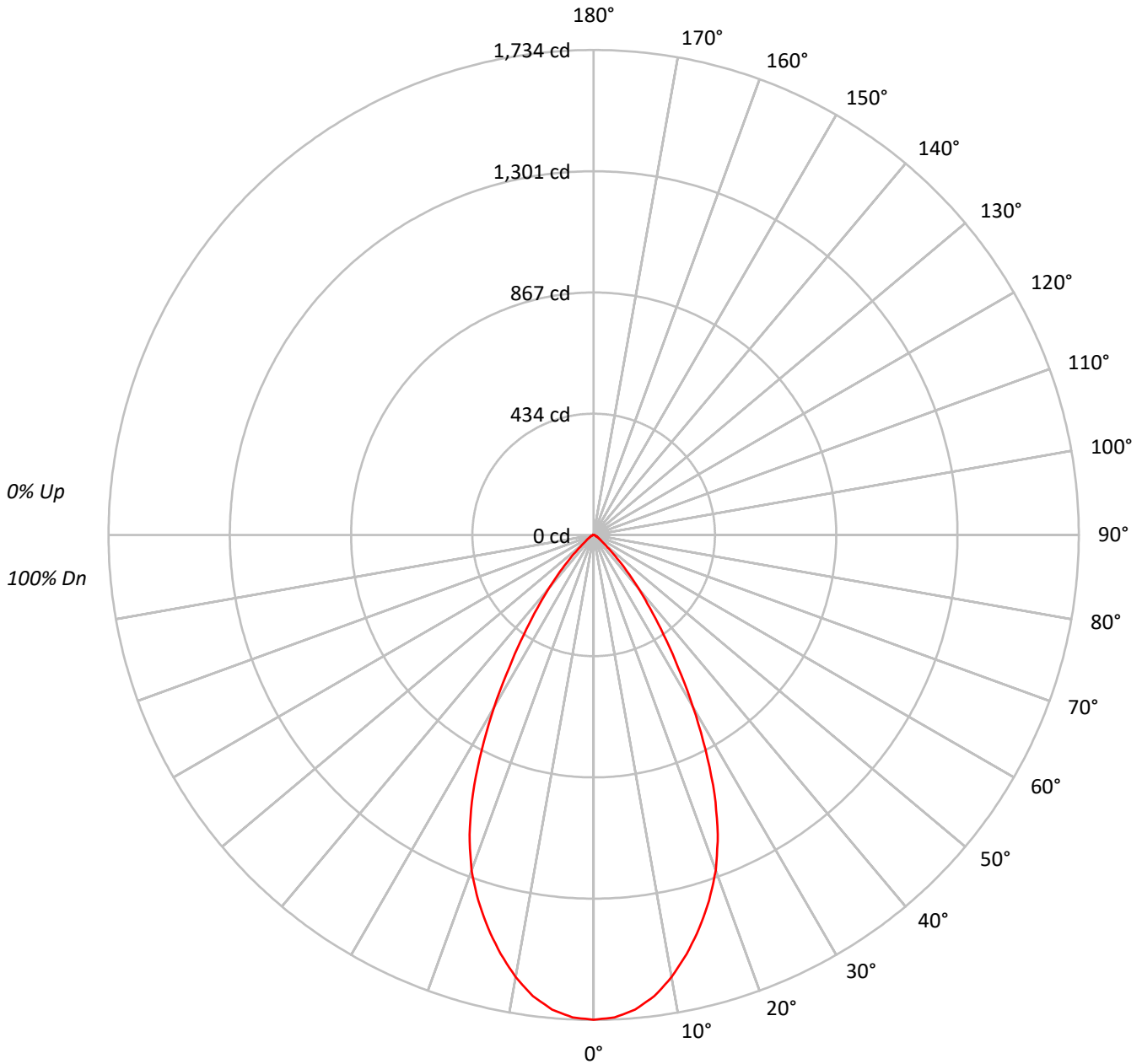
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1439.0 lumens  
Efficiency: N/A  
Efficacy: 66.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.8  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	212979
5°	210105
10°	200247
15°	185299
20°	166809
25°	138577
30°	100734
35°	65300
40°	39516
45°	20362
50°	9212
55°	5547
60°	3735
65°	2674
70°	2012
75°	1329
80°	849
85°	564



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.5	11.1
10°-20°	406.5	28.3
20°-30°	459.7	31.9
30°-40°	277.8	19.3
40°-50°	97.3	6.8
50°-60°	24.9	1.7
60°-70°	9.6	0.7
70°-80°	3.2	0.2
80°-90°	0.5	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°	1025.7	71.3
0°-40°	1303.6	90.6
0°-60°	1425.8	99.1
0°-90°	1439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1439.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1734	
5°	1704	159
15°	1457	407
25°	1022	460
35°	435	278
45°	117	97
55°	26	25
65°	9	10
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1733.6
2.5°	1726.4
5°	1703.7
7.5°	1663.4
10°	1605.2
12.5°	1535.0
15°	1456.9
17.5°	1371.2
20°	1275.9
22.5°	1159.0
25°	1022.3
27.5°	865.6
30°	710.1
32.5°	561.4
35°	435.4
37.5°	330.1
40°	246.4
42.5°	177.0
45°	117.2
47.5°	72.2
50°	48.2
52.5°	34.7
55°	25.9
57.5°	19.9
60°	15.2
62.5°	12.0
65°	9.2
67.5°	7.2
70°	5.6
72.5°	4.0
75°	2.8
77.5°	2.0
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)