

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: P857241

Luminaire Tested: **LX4C20D010 EX4C209830 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857241  
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 EX4C209830 4LBMDH  
Description:  
Light Source: -  
Ballast/Driver: -

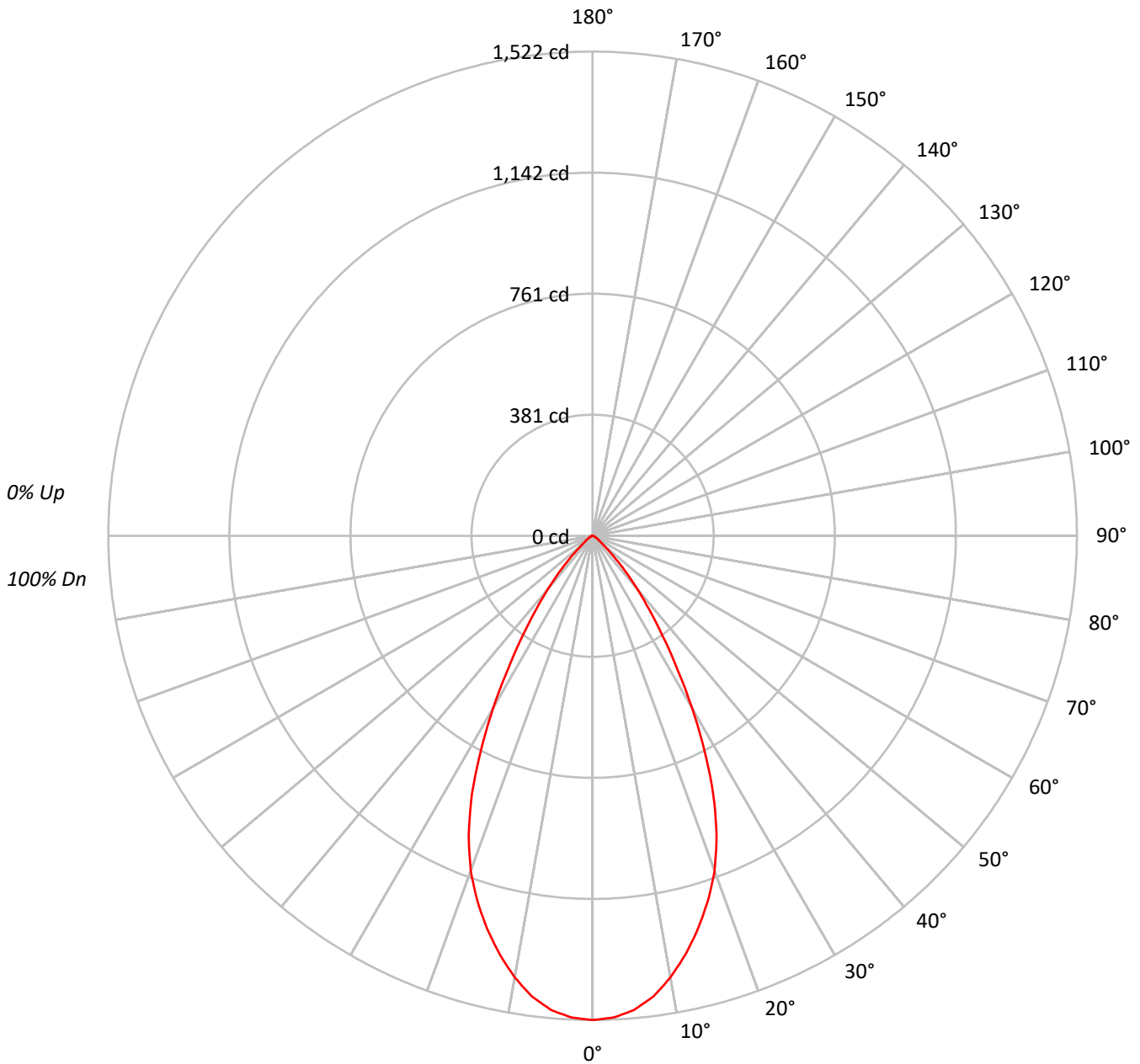
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1263.6 lumens  
Efficiency: N/A  
Efficacy: 58.0 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°	187020
5°	184491
10°	175846
15°	162711
20°	146479
25°	121687
30°	88449
35°	57336
40°	34689
45°	17878
50°	8104
55°	4862
60°	3268
65°	2326
70°	1760
75°	1139
80°	778
85°	564



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.1	11.1
10°-20°	357.0	28.3
20°-30°	403.7	31.9
30°-40°	244.0	19.3
40°-50°	85.4	6.8
50°-60°	21.9	1.7
60°-70°	8.4	0.7
70°-80°	2.8	0.2
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°	900.7	71.3
0°-40°	1144.7	90.6
0°-60°	1252.0	99.1
0°-90°	1263.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1263.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1522	
5°	1496	140
15°	1279	357
25°	898	404
35°	382	244
45°	103	85
55°	23	22
65°	8	8
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1522.3
2.5°	1516.0
5°	1496.0
7.5°	1460.7
10°	1409.6
12.5°	1348.0
15°	1279.3
17.5°	1204.0
20°	1120.4
22.5°	1017.7
25°	897.7
27.5°	760.1
30°	623.5
32.5°	493.0
35°	382.3
37.5°	289.9
40°	216.3
42.5°	155.4
45°	102.9
47.5°	63.4
50°	42.4
52.5°	30.5
55°	22.7
57.5°	17.5
60°	13.3
62.5°	10.5
65°	8.0
67.5°	6.3
70°	4.9
72.5°	3.5
75°	2.4
77.5°	1.8
80°	1.1
82.5°	0.7
85°	0.4
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)