

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: P857261

Luminaire Tested: **LX4C20D010 EX4C209835 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EX4C209835 4LBSLI  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

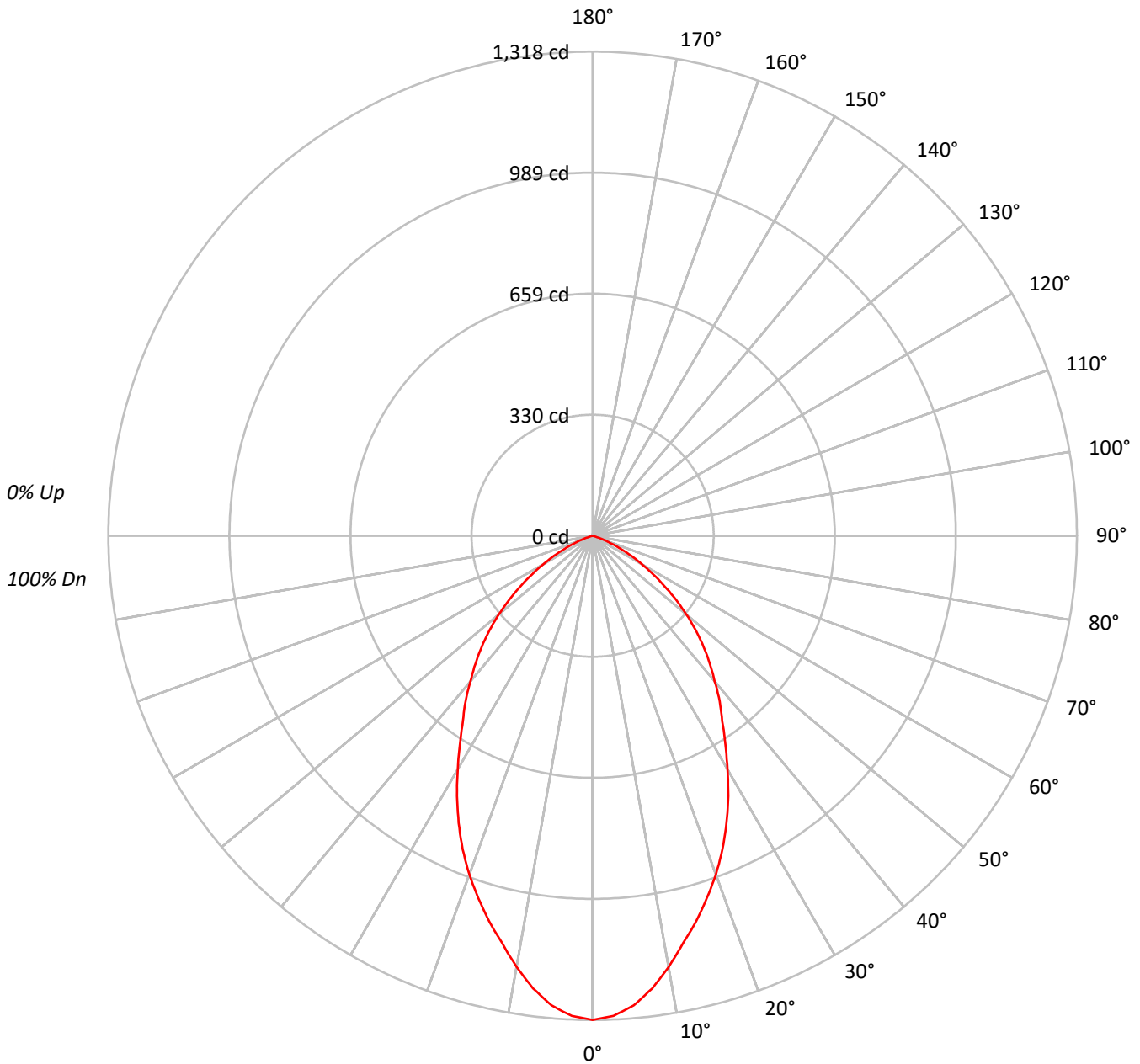
Lumens per Lamp: N/A  
Luminaire Lumens: 1845.9 lumens  
Efficiency: N/A  
Efficacy: 84.7 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80			
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57			
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36			

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

	0°
0°	161933
5°	158260
10°	148626
15°	138265
20°	128228
25°	116902
30°	104068
35°	92235
40°	82897
45°	74205
50°	63664
55°	51212
60°	38158
65°	24360
70°	11710
75°	1946
80°	1486
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.5	6.5
10°-20°	304.8	16.5
20°-30°	395.0	21.4
30°-40°	387.0	21.0
40°-50°	328.0	17.8
50°-60°	215.0	11.6
60°-70°	86.4	4.7
70°-80°	9.9	0.5
80°-90°	0.3	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°	819.3	44.4
0°-40°	1206.3	65.3
0°-60°	1749.3	94.8
0°-90°	1845.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1845.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1318	
5°	1283	120
15°	1087	305
25°	862	395
35°	615	387
45°	427	328
55°	239	215
65°	84	86
75°	4	10
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1318.1
2.5°	1307.8
5°	1283.3
7.5°	1242.4
10°	1191.4
12.5°	1136.2
15°	1087.1
17.5°	1034.0
20°	980.8
22.5°	923.7
25°	862.4
27.5°	799.0
30°	733.6
32.5°	672.3
35°	615.0
37.5°	568.1
40°	516.9
42.5°	472.0
45°	427.1
47.5°	380.1
50°	333.1
52.5°	286.1
55°	239.1
57.5°	196.2
60°	155.3
62.5°	118.5
65°	83.8
67.5°	55.2
70°	32.6
72.5°	14.3
75°	4.1
77.5°	2.1
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)