

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: P857287

Luminaire Tested: **LX4C20D010 EX4C209850 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857287
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 EX4C209850 4LBSLI
Description:
Light Source: -
Ballast/Driver: -

Summary

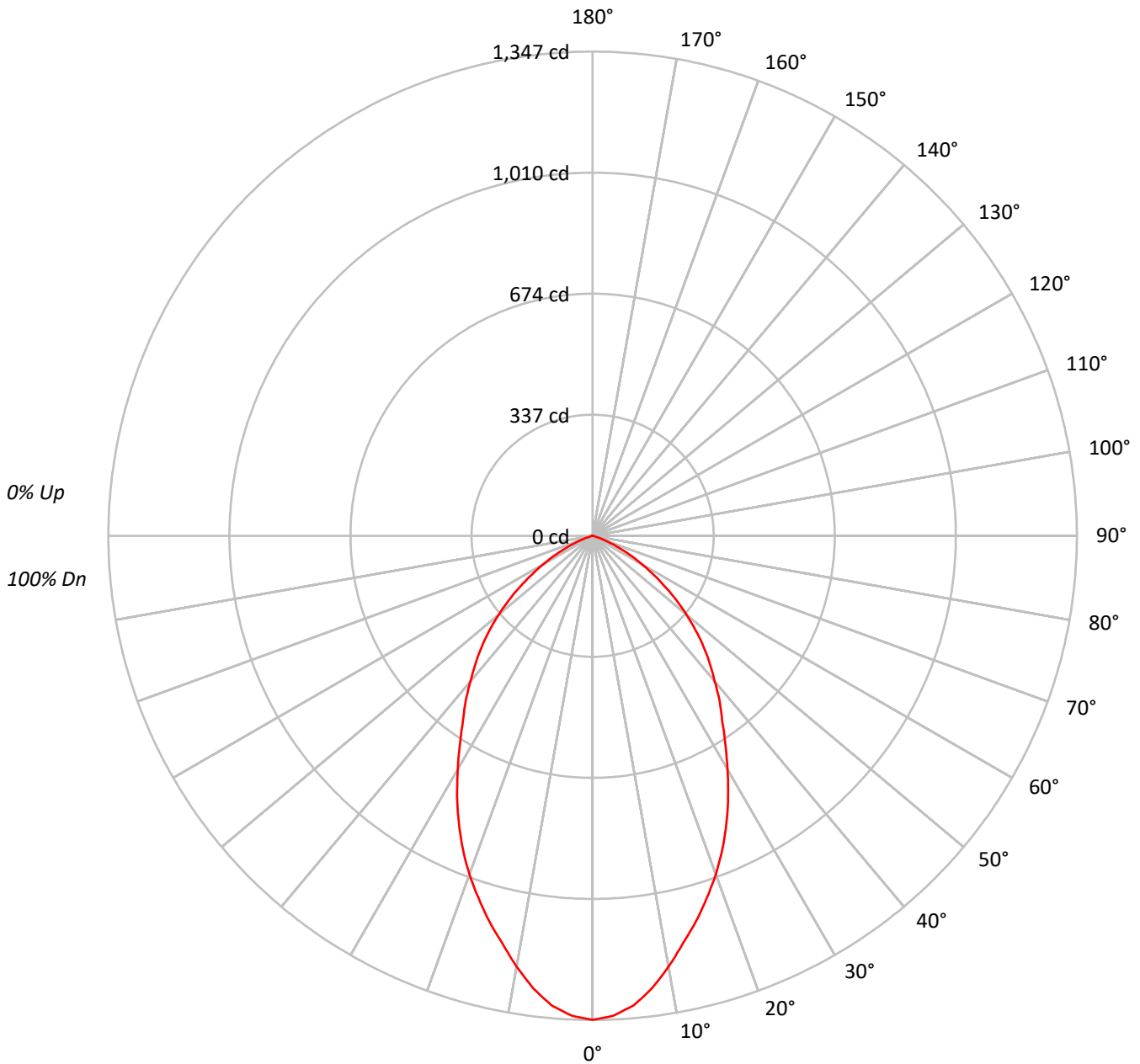
Lumens per Lamp: N/A
Luminaire Lumens: 1886.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
Input Current (A_{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	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°	165447
5°	161701
10°	151844
15°	141280
20°	131026
25°	119436
30°	106337
35°	94245
40°	84709
45°	75821
50°	65040
55°	52305
60°	38969
65°	24884
70°	11997
75°	1994
80°	1486
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	6.5
10°-20°	311.4	16.5
20°-30°	403.6	21.4
30°-40°	395.4	21.0
40°-50°	335.2	17.8
50°-60°	219.7	11.6
60°-70°	88.3	4.7
70°-80°	10.1	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°	837.1	44.4
0°-40°	1232.5	65.3
0°-60°	1787.3	94.8
0°-90°	1886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1886.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1347	
5°	1311	122
15°	1111	311
25°	881	404
35°	628	395
45°	436	335
55°	244	220
65°	86	88
75°	4	10
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1346.7
2.5°	1336.3
5°	1311.2
7.5°	1269.4
10°	1217.2
12.5°	1160.9
15°	1110.8
17.5°	1056.4
20°	1002.2
22.5°	943.7
25°	881.1
27.5°	816.4
30°	749.6
32.5°	686.9
35°	628.4
37.5°	580.4
40°	528.2
42.5°	482.3
45°	436.4
47.5°	388.4
50°	340.3
52.5°	292.3
55°	244.2
57.5°	200.5
60°	158.6
62.5°	121.1
65°	85.6
67.5°	56.4
70°	33.4
72.5°	14.6
75°	4.2
77.5°	2.1
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)