

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: P857235

Luminaire Tested: **LX4C20D010 EX4C209827 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857235
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 EX4C209827 4LBSLI
Description:
Light Source: -
Ballast/Driver: -

Summary

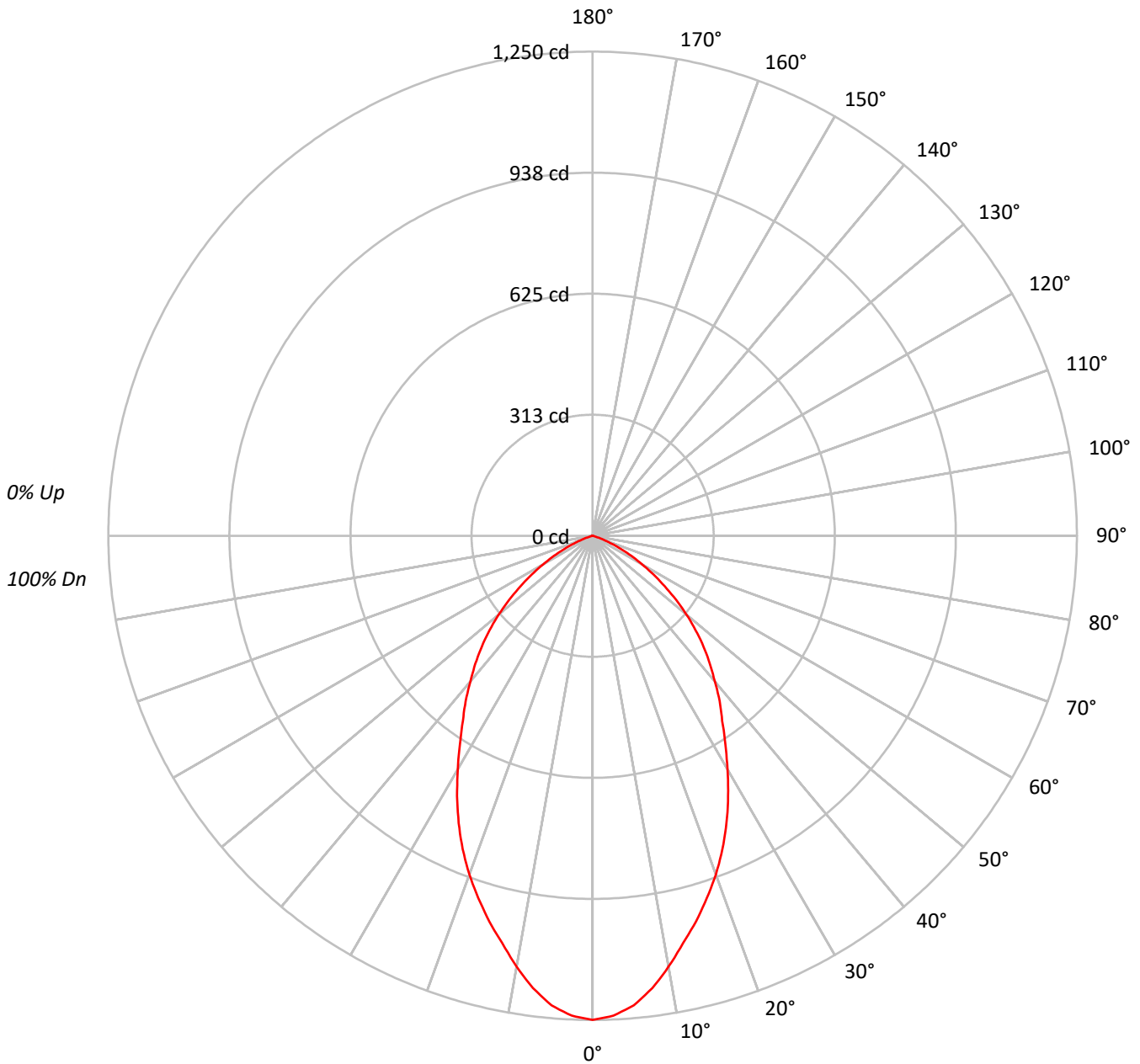
Lumens per Lamp: N/A
Luminaire Lumens: 1750.6 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
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°	153555
5°	150084
10°	140929
15°	131117
20°	121612
25°	110856
30°	98691
35°	87481
40°	78631
45°	70365
50°	60377
55°	48578
60°	36168
65°	23110
70°	11135
75°	1851
80°	1415
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	6.5
10°-20°	289.0	16.5
20°-30°	374.6	21.4
30°-40°	367.0	21.0
40°-50°	311.1	17.8
50°-60°	203.9	11.6
60°-70°	82.0	4.7
70°-80°	9.4	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°	776.9	44.4
0°-40°	1143.9	65.3
0°-60°	1659.0	94.8
0°-90°	1750.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1750.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1250	
5°	1217	113
15°	1031	289
25°	818	375
35°	583	367
45°	405	311
55°	227	204
65°	80	82
75°	4	9
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1249.9
2.5°	1240.2
5°	1217.0
7.5°	1178.2
10°	1129.7
12.5°	1077.4
15°	1030.9
17.5°	980.6
20°	930.2
22.5°	876.0
25°	817.8
27.5°	757.7
30°	695.7
32.5°	637.6
35°	583.3
37.5°	538.7
40°	490.3
42.5°	447.7
45°	405.0
47.5°	360.4
50°	315.9
52.5°	271.4
55°	226.8
57.5°	186.0
60°	147.2
62.5°	112.4
65°	79.5
67.5°	52.3
70°	31.0
72.5°	13.6
75°	3.9
77.5°	2.0
80°	2.0
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)