

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: P858001

Luminaire Tested: **LX4C40D010 EX4C409827 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P858001
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: LX4C40D010 EX4C409827 4LBSLI
Description:
Light Source: -
Ballast/Driver: -

Summary

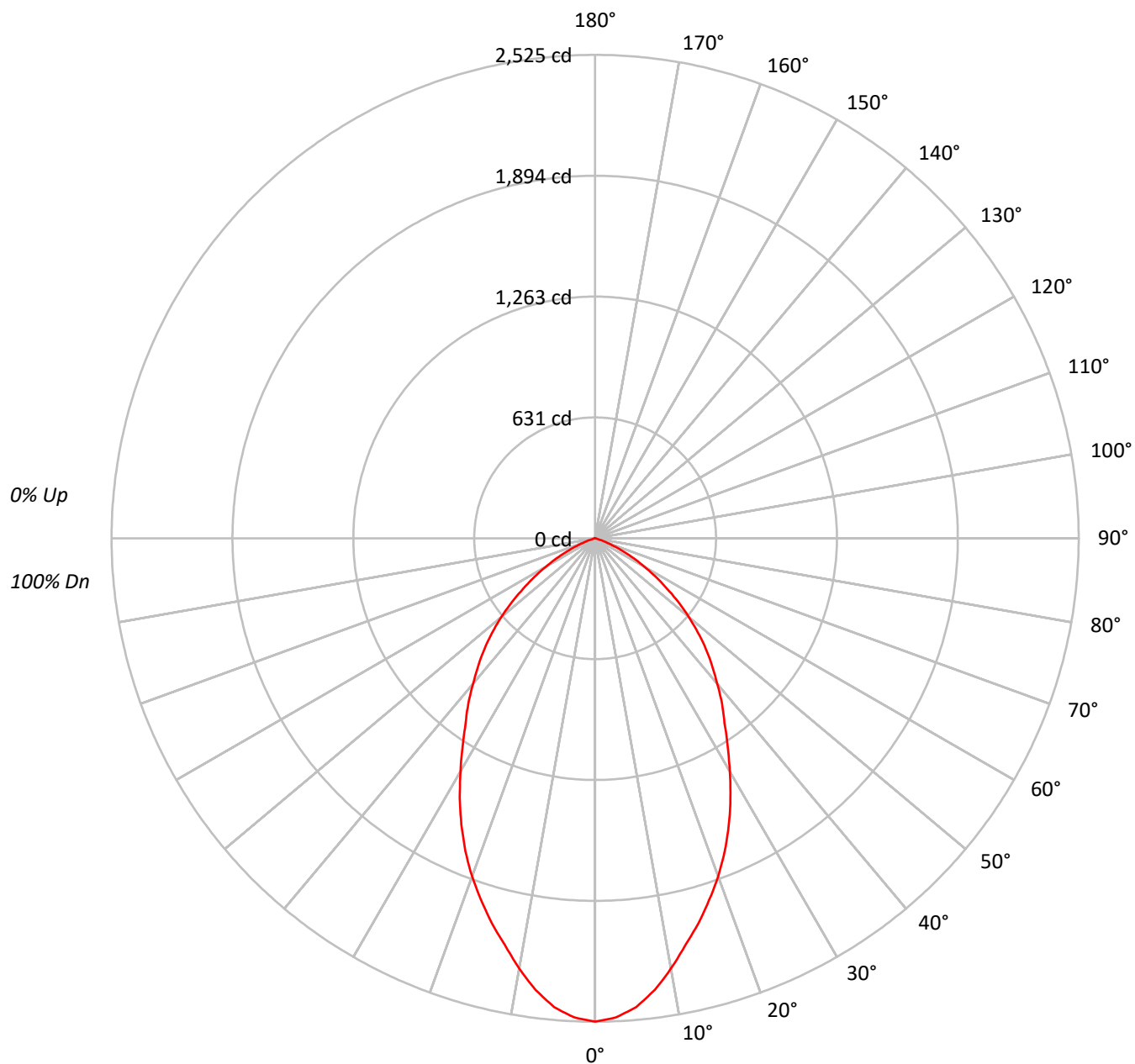
Lumens per Lamp: N/A
Luminaire Lumens: 3535.8 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	104	98	93	88	102	96	91	87	93	89	85		90	86	84		87
3	97	89	82	77	95	87	81	77	84	79	75		82	78	74		79
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73
5	84	73	66	61	82	72	65	60	70	64	60		69	63	59		67
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62
7	74	62	54	49	72	61	54	49	60	53	49		58	53	48		57
8	69	57	50	45	68	57	50	45	55	49	45		54	49	44		53
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	310156
5°	303140
10°	284677
15°	264842
20°	245630
25°	223908
30°	199340
35°	176702
40°	158818
45°	142138
50°	121938
55°	98098
60°	73098
65°	46657
70°	22486
75°	3702
80°	2759
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.9	6.5
10°-20°	583.8	16.5
20°-30°	756.5	21.4
30°-40°	741.3	21.0
40°-50°	628.3	17.8
50°-60°	411.9	11.6
60°-70°	165.6	4.7
70°-80°	18.9	0.5
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°	1569.3	44.4
0°-40°	2310.6	65.3
0°-60°	3350.8	94.8
0°-90°	3535.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3535.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2525	
5°	2458	229
15°	2082	584
25°	1652	757
35°	1178	741
45°	818	628
55°	458	412
65°	160	166
75°	8	19
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2524.6
2.5°	2505.1
5°	2458.1
7.5°	2379.8
10°	2282.0
12.5°	2176.3
15°	2082.3
17.5°	1980.6
20°	1878.8
22.5°	1769.2
25°	1651.8
27.5°	1530.4
30°	1405.2
32.5°	1287.8
35°	1178.2
37.5°	1088.2
40°	990.3
42.5°	904.1
45°	818.1
47.5°	728.0
50°	638.0
52.5°	548.0
55°	458.0
57.5°	375.8
60°	297.5
62.5°	227.0
65°	160.5
67.5°	105.7
70°	62.6
72.5°	27.4
75°	7.8
77.5°	3.9
80°	3.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)