

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: P858254

Luminaire Tested: **LX4C45D010 EX4C459840 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P858254
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: LX4C45D010 EX4C459840 4LBSLI
Description:
Light Source: -
Ballast/Driver: -

Summary

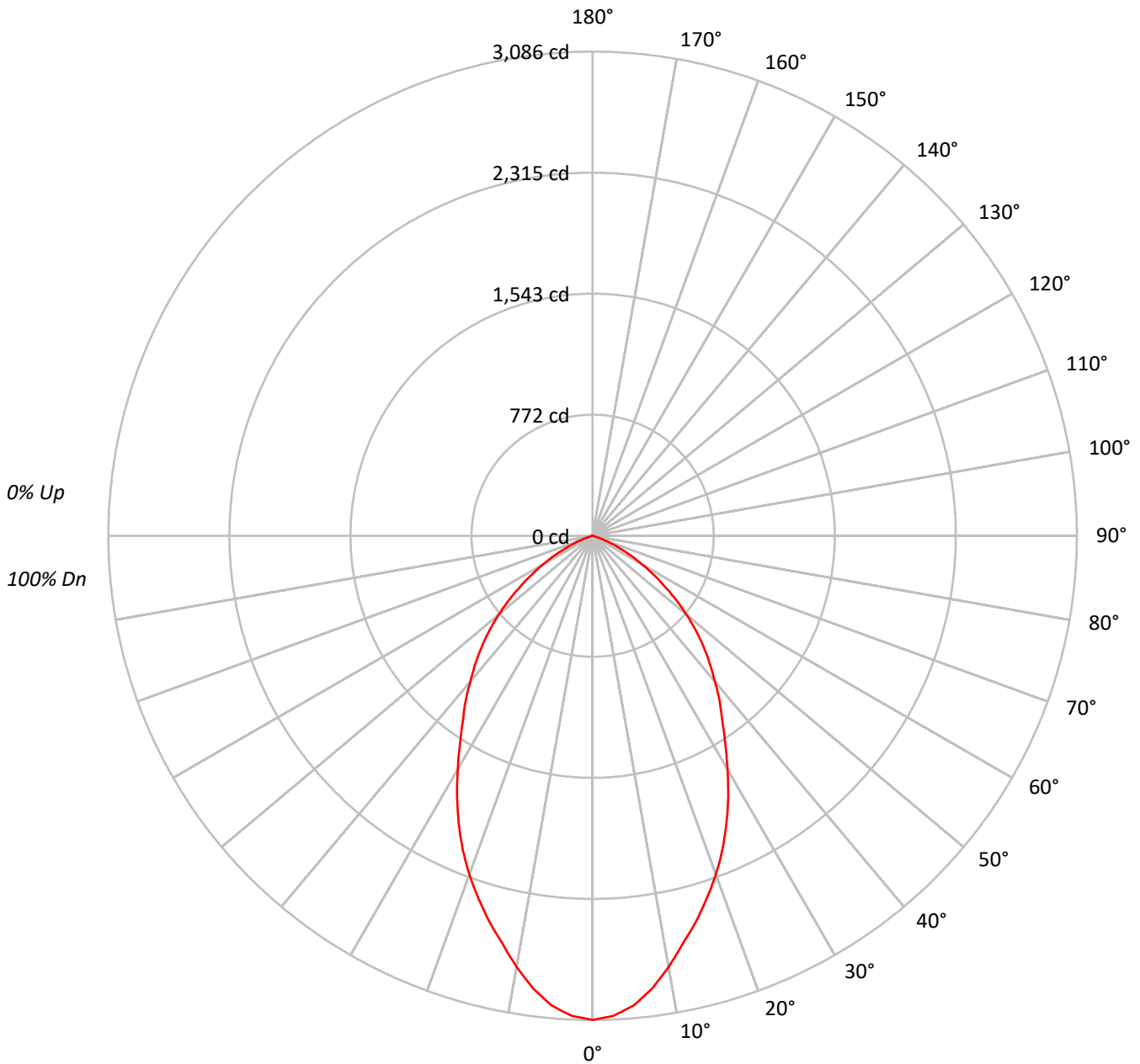
Lumens per Lamp: N/A
Luminaire Lumens: 4322.3 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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			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			100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80			80
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71			71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57			57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51			51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	379150
5°	370573
10°	347986
15°	323768
20°	300279
25°	273724
30°	243700
35°	216011
40°	194133
45°	173758
50°	149059
55°	119903
60°	89364
65°	57035
70°	27479
75°	4557
80°	3325
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.8	6.5
10°-20°	713.7	16.5
20°-30°	924.8	21.4
30°-40°	906.2	21.0
40°-50°	768.1	17.8
50°-60°	503.5	11.6
60°-70°	202.4	4.7
70°-80°	23.1	0.5
80°-90°	0.6	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°	1918.4	44.4
0°-40°	2824.6	65.3
0°-60°	4096.1	94.8
0°-90°	4322.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4322.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3086	
5°	3005	280
15°	2546	714
25°	2019	925
35°	1440	906
45°	1000	768
55°	560	503
65°	196	202
75°	10	23
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3086.2
2.5°	3062.3
5°	3004.9
7.5°	2909.1
10°	2789.5
12.5°	2660.3
15°	2545.6
17.5°	2421.2
20°	2296.8
22.5°	2162.8
25°	2019.3
27.5°	1870.9
30°	1717.9
32.5°	1574.3
35°	1440.3
37.5°	1330.2
40°	1210.5
42.5°	1105.3
45°	1000.1
47.5°	890.0
50°	779.9
52.5°	669.9
55°	559.8
57.5°	459.3
60°	363.7
62.5°	277.5
65°	196.2
67.5°	129.2
70°	76.5
72.5°	33.4
75°	9.6
77.5°	4.7
80°	4.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)