

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: P858267

Luminaire Tested: **LX4C45D010 EX4C459850 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P858267
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 EX4C459850 4LBSLI
Description:
Light Source: -
Ballast/Driver: -

Summary

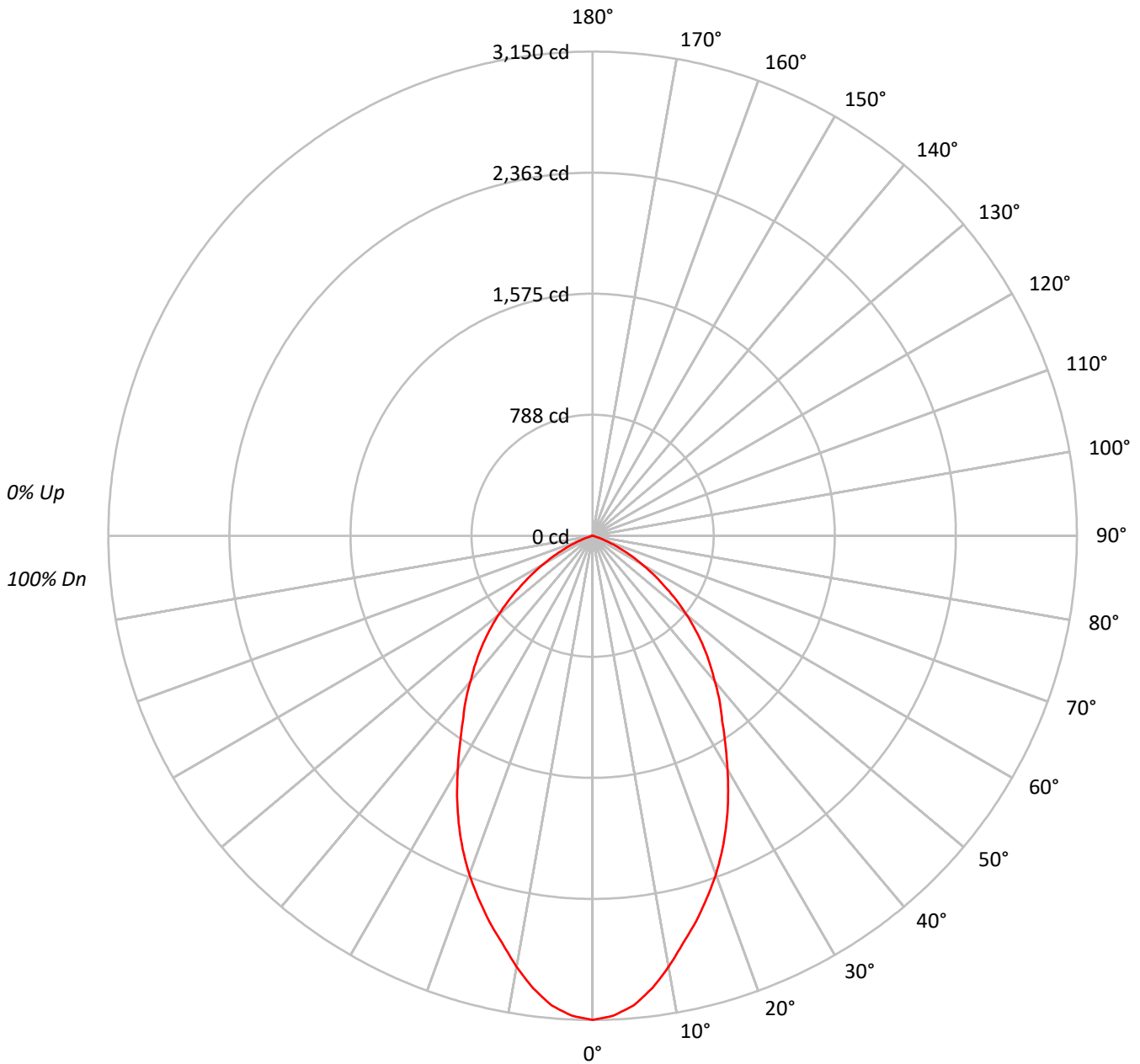
Lumens per Lamp: N/A
Luminaire Lumens: 4411.4 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
Input Voltage (V):
Input Current (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			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°	386976
5°	378219
10°	355172
15°	330433
20°	306463
25°	279363
30°	248721
35°	220450
40°	198142
45°	177337
50°	152136
55°	122366
60°	91182
65°	58226
70°	28053
75°	4652
80°	3396
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.6	6.5
10°-20°	728.4	16.5
20°-30°	943.9	21.4
30°-40°	924.9	21.0
40°-50°	783.9	17.8
50°-60°	513.9	11.6
60°-70°	206.6	4.7
70°-80°	23.6	0.5
80°-90°	0.7	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°	1958.0	44.4
0°-40°	2882.8	65.3
0°-60°	4180.6	94.8
0°-90°	4411.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4411.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3150	
5°	3067	286
15°	2598	728
25°	2061	944
35°	1470	925
45°	1021	784
55°	571	514
65°	200	207
75°	10	24
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3149.9
2.5°	3125.5
5°	3066.9
7.5°	2969.1
10°	2847.1
12.5°	2715.3
15°	2598.0
17.5°	2471.1
20°	2344.1
22.5°	2207.4
25°	2060.9
27.5°	1909.5
30°	1753.3
32.5°	1606.7
35°	1469.9
37.5°	1357.7
40°	1235.5
42.5°	1128.1
45°	1020.7
47.5°	908.3
50°	796.0
52.5°	683.7
55°	571.3
57.5°	468.8
60°	371.1
62.5°	283.2
65°	200.3
67.5°	131.9
70°	78.1
72.5°	34.2
75°	9.8
77.5°	4.8
80°	4.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)