

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: P858052

Luminaire Tested: **LX4C40D010 EX4C409850 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P858052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C40D010 EX4C409850 4LBSH
Description:
Light Source: -
Ballast/Driver: -

Summary

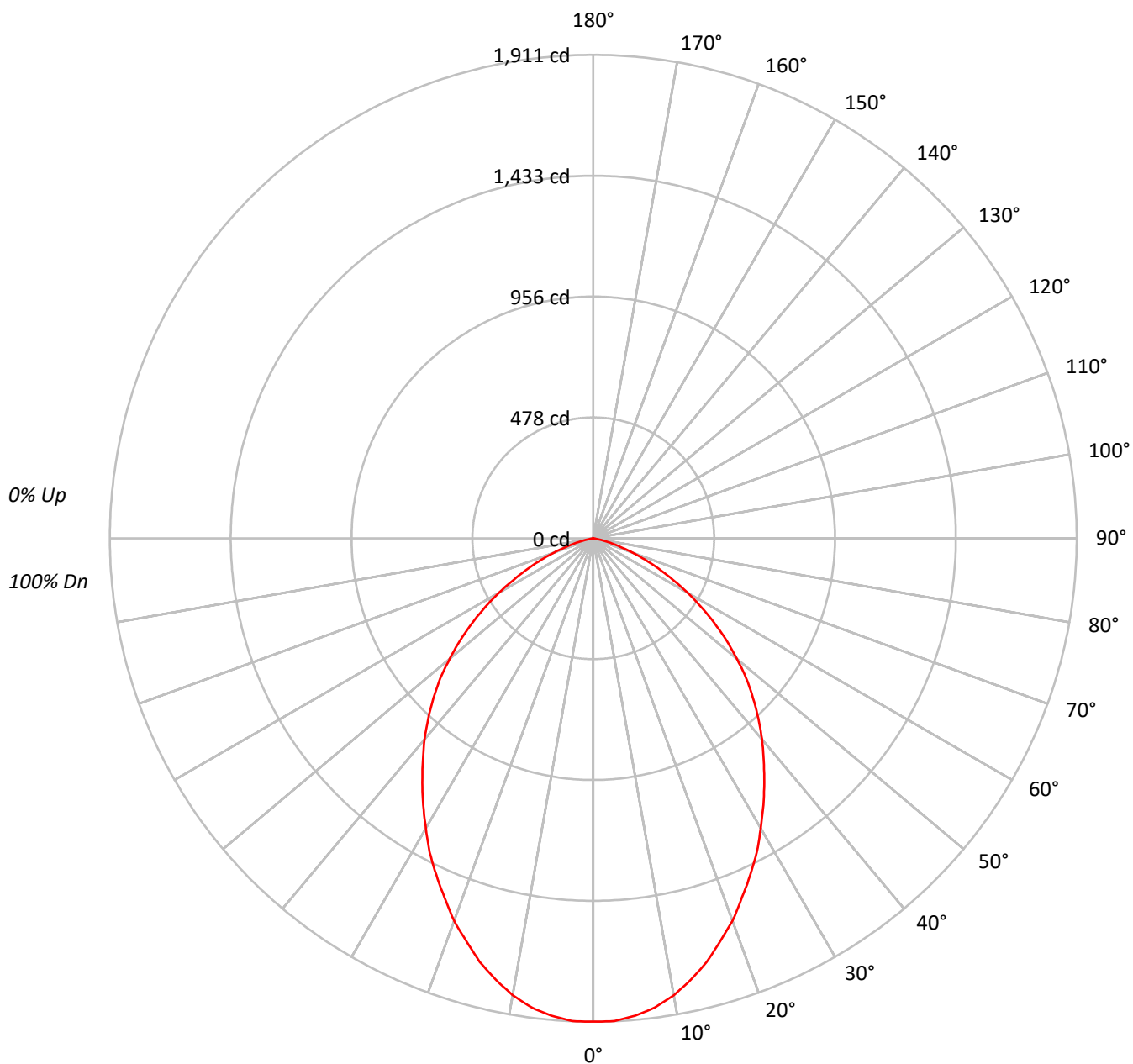
Lumens per Lamp: N/A
Luminaire Lumens: 3653.4 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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





TEST NUMBER: P858052

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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	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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77		
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51		
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	234736
5°	233660
10°	228827
15°	220517
20°	210370
25°	199034
30°	187736
35°	176762
40°	166436
45°	155151
50°	141472
55°	124936
60°	105752
65°	83023
70°	59268
75°	32467
80°	5731
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	4.9
10°-20°	486.5	13.3
20°-30°	675.6	18.5
30°-40°	737.2	20.2
40°-50°	687.7	18.8
50°-60°	522.0	14.3
60°-70°	285.8	7.8
70°-80°	78.7	2.2
80°-90°	1.1	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°	1341.0	36.7
0°-40°	2078.2	56.9
0°-60°	3287.9	90.0
0°-90°	3653.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3653.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1911	
5°	1895	179
15°	1734	486
25°	1468	676
35°	1179	737
45°	893	688
55°	583	522
65°	286	286
75°	68	79
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1910.7
2.5°	1910.7
5°	1894.7
7.5°	1870.6
10°	1834.3
12.5°	1786.1
15°	1733.8
17.5°	1669.4
20°	1609.1
22.5°	1536.6
25°	1468.3
27.5°	1399.9
30°	1323.4
32.5°	1251.0
35°	1178.6
37.5°	1106.2
40°	1037.8
42.5°	965.4
45°	893.0
47.5°	820.6
50°	740.2
52.5°	663.7
55°	583.3
57.5°	506.8
60°	430.4
62.5°	354.0
65°	285.6
67.5°	221.2
70°	165.0
72.5°	112.6
75°	68.4
77.5°	32.2
80°	8.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)