

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: P857289

Luminaire Tested: **LX4C20D010 EX4C209850 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C20D010 EX4C209850 4LBWH
Description:
Light Source: -
Ballast/Driver: -

Summary

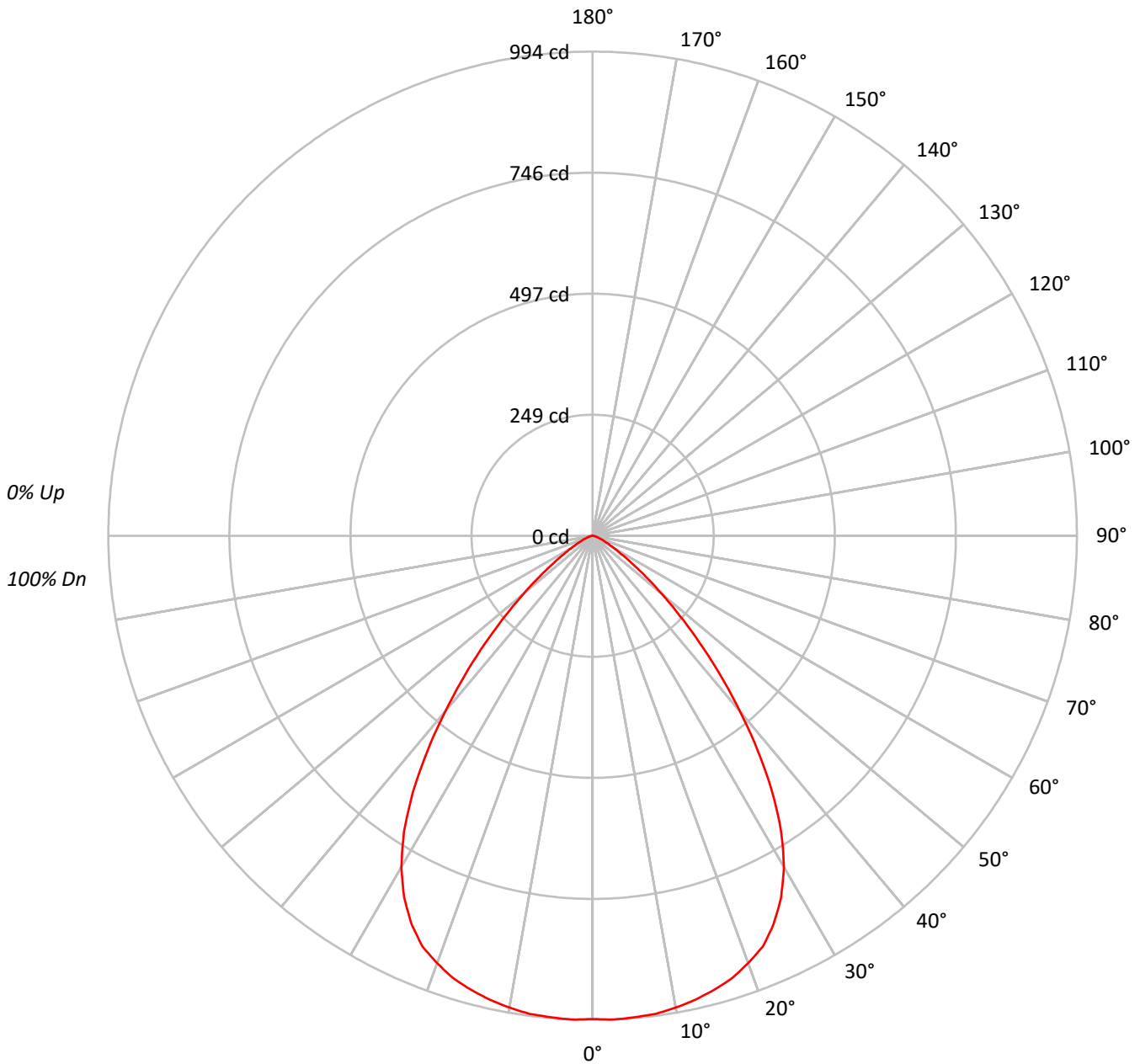
Lumens per Lamp: N/A
Luminaire Lumens: 1539.1 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121883
5°	122349
10°	122715
15°	122723
20°	122057
25°	119192
30°	111402
35°	96465
40°	75360
45°	54068
50°	35129
55°	21033
60°	12310
65°	7907
70°	5244
75°	3987
80°	2971
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	6.1
10°-20°	272.2	17.7
20°-30°	401.7	26.1
30°-40°	396.4	25.8
40°-50°	242.6	15.8
50°-60°	93.0	6.0
60°-70°	29.1	1.9
70°-80°	8.5	0.6
80°-90°	1.1	0.1
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°	768.4	49.9
0°-40°	1164.8	75.7
0°-60°	1500.4	97.5
0°-90°	1539.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1539.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	992	
5°	992	94
15°	965	272
25°	879	402
35°	643	396
45°	311	243
55°	98	93
65°	27	29
75°	8	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	992.1
2.5°	994.2
5°	992.1
7.5°	990.0
10°	983.7
12.5°	975.4
15°	964.9
17.5°	952.4
20°	933.6
22.5°	912.7
25°	879.3
27.5°	837.4
30°	785.3
32.5°	720.6
35°	643.2
37.5°	557.6
40°	469.9
42.5°	388.4
45°	311.2
47.5°	242.2
50°	183.8
52.5°	135.8
55°	98.2
57.5°	68.9
60°	50.1
62.5°	37.6
65°	27.2
67.5°	20.9
70°	14.6
72.5°	10.4
75°	8.4
77.5°	4.2
80°	4.2
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)