

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: P857243

Luminaire Tested: **LX4C20D010 EX4C209830 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857243
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 EX4C209830 4LBMH
Description:
Light Source: -
Ballast/Driver: -

Summary

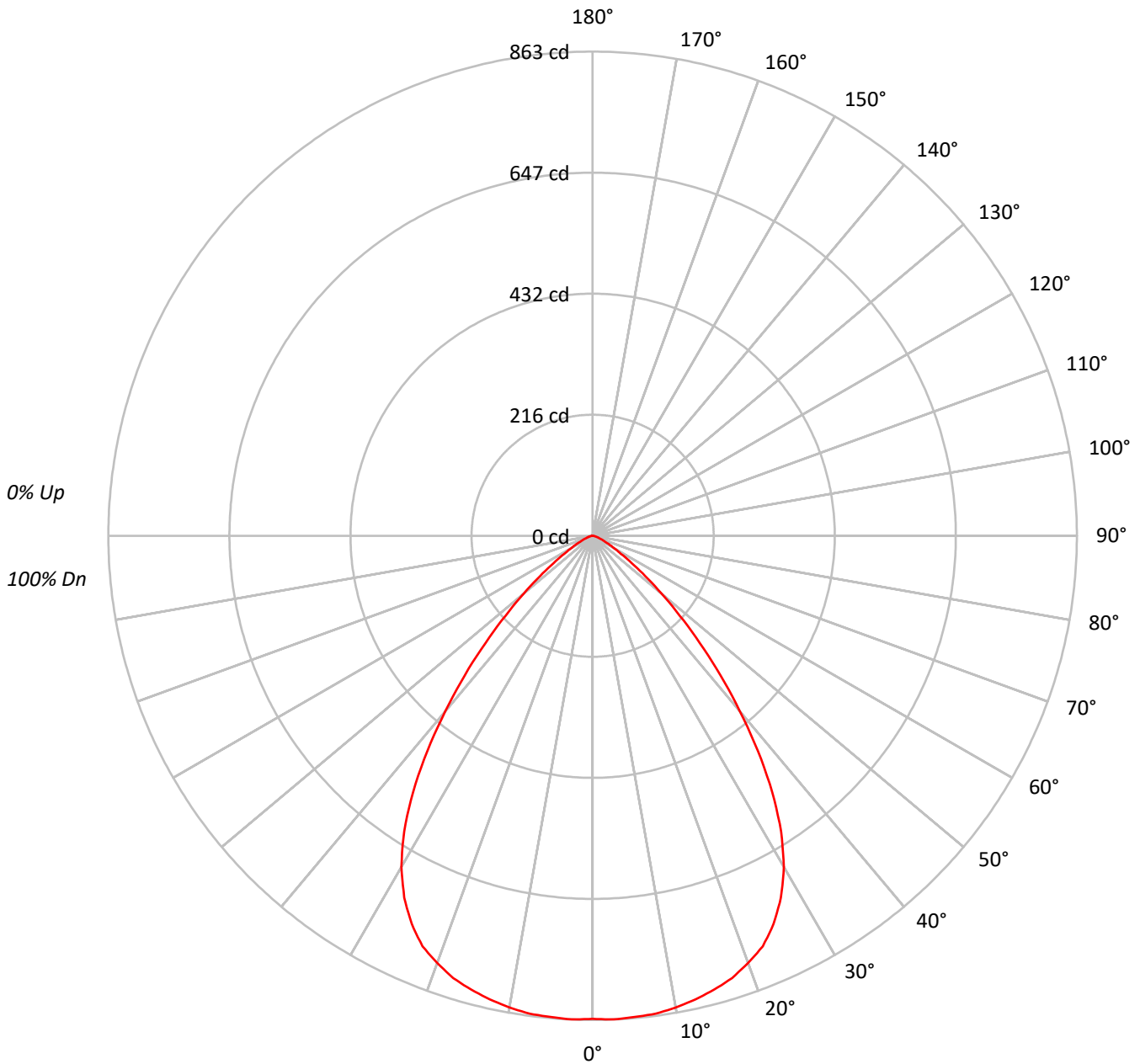
Lumens per Lamp: N/A
Luminaire Lumens: 1335.8 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P857243

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBMH

Luminous Intensity Polar Plot





TEST NUMBER: P857243

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBMH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105789
5°	106193
10°	106510
15°	106507
20°	105924
25°	103455
30°	96691
35°	83717
40°	65400
45°	46927
50°	30485
55°	18249
60°	10664
65°	6860
70°	4562
75°	3418
80°	2618
85°	0



TEST NUMBER: P857243

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	6.1
10°-20°	236.3	17.7
20°-30°	348.7	26.1
30°-40°	344.0	25.8
40°-50°	210.5	15.8
50°-60°	80.7	6.0
60°-70°	25.2	1.9
70°-80°	7.4	0.6
80°-90°	1.0	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°	666.9	49.9
0°-40°	1010.9	75.7
0°-60°	1302.2	97.5
0°-90°	1335.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	861	
5°	861	82
15°	837	236
25°	763	349
35°	558	344
45°	270	211
55°	85	81
65°	24	25
75°	7	7
85°	0	1
90°	0	



TEST NUMBER: P857243

CATALOG NUMBER: LX4C20D010 EX4C209830 4LBMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	861.1
2.5°	862.8
5°	861.1
7.5°	859.2
10°	853.8
12.5°	846.5
15°	837.4
17.5°	826.6
20°	810.2
22.5°	792.1
25°	763.2
27.5°	726.9
30°	681.6
32.5°	625.4
35°	558.2
37.5°	483.9
40°	407.8
42.5°	337.2
45°	270.1
47.5°	210.2
50°	159.5
52.5°	117.9
55°	85.2
57.5°	59.8
60°	43.4
62.5°	32.6
65°	23.6
67.5°	18.1
70°	12.7
72.5°	9.1
75°	7.2
77.5°	3.7
80°	3.7
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)