

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: P856870

Luminaire Tested: **LX4C10D010 EX4C109850 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P856870
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: LX4C10D010 EX4C109850 4LBWH
Description:
Light Source: -
Ballast/Driver: -

Summary

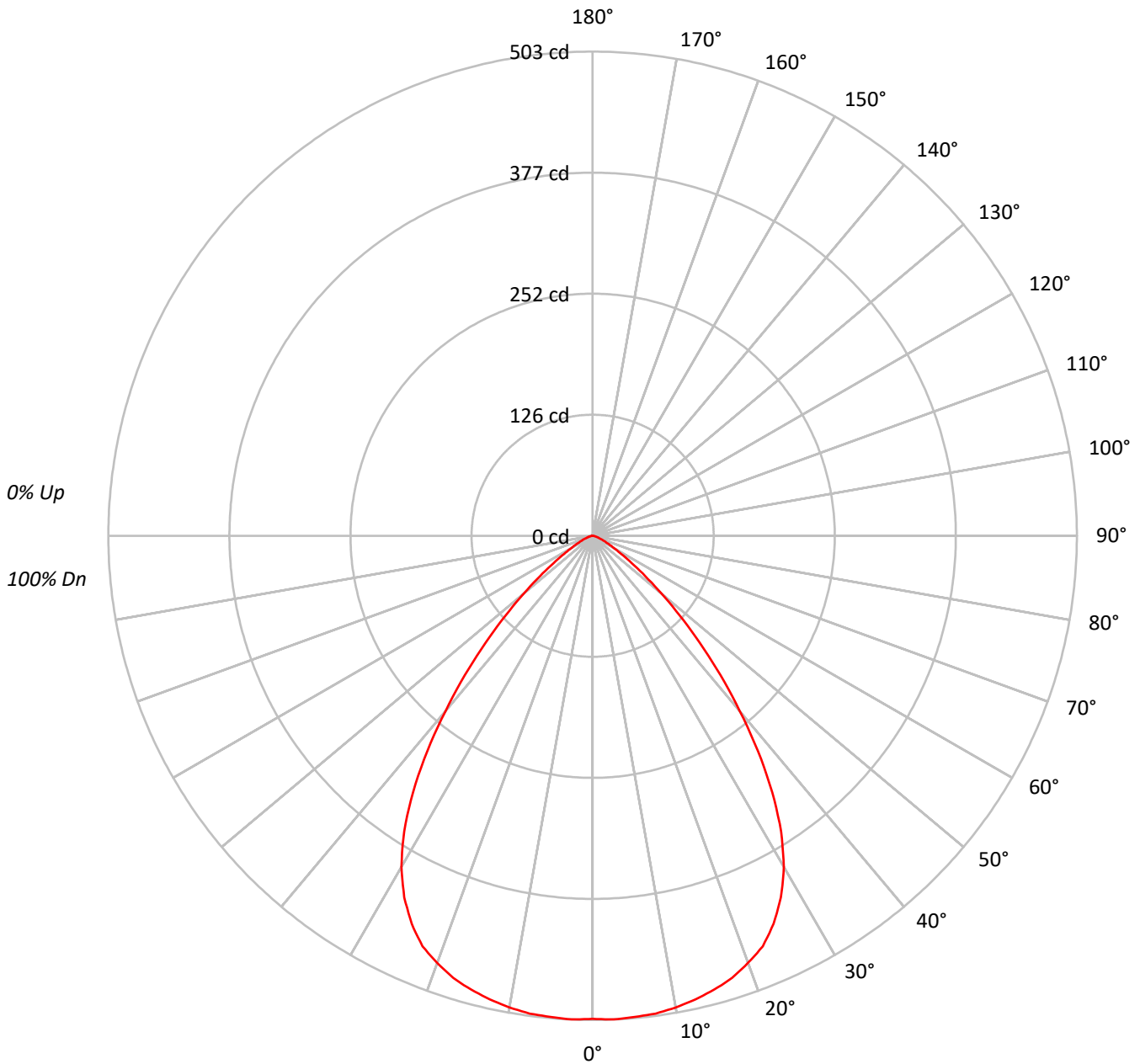
Lumens per Lamp: N/A
Luminaire Lumens: 778.5 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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: P856870

CATALOG NUMBER: LX4C10D010 EX4C109850 4LBWH

Luminous Intensity Polar Plot





TEST NUMBER: P856870

CATALOG NUMBER: LX4C10D010 EX4C109850 4LBWH

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°	61648
5°	61883
10°	62075
15°	62080
20°	61734
25°	60281
30°	56346
35°	48787
40°	38105
45°	27347
50°	17756
55°	10645
60°	6216
65°	3983
70°	2658
75°	1994
80°	1486
85°	0



TEST NUMBER: P856870

CATALOG NUMBER: LX4C10D010 EX4C109850 4LBWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	6.1
10°-20°	137.7	17.7
20°-30°	203.2	26.1
30°-40°	200.5	25.8
40°-50°	122.7	15.8
50°-60°	47.1	6.0
60°-70°	14.7	1.9
70°-80°	4.3	0.6
80°-90°	0.6	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°	388.7	49.9
0°-40°	589.2	75.7
0°-60°	758.9	97.5
0°-90°	778.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	502	
5°	502	48
15°	488	138
25°	445	203
35°	325	201
45°	157	123
55°	50	47
65°	14	15
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P856870

CATALOG NUMBER: LX4C10D010 EX4C109850 4LBWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	501.8
2.5°	502.9
5°	501.8
7.5°	500.7
10°	497.6
12.5°	493.3
15°	488.1
17.5°	481.7
20°	472.2
22.5°	461.7
25°	444.7
27.5°	423.6
30°	397.2
32.5°	364.5
35°	325.3
37.5°	282.1
40°	237.6
42.5°	196.5
45°	157.4
47.5°	122.5
50°	92.9
52.5°	68.7
55°	49.7
57.5°	34.9
60°	25.3
62.5°	19.0
65°	13.7
67.5°	10.6
70°	7.4
72.5°	5.3
75°	4.2
77.5°	2.1
80°	2.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)