

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: P856854

Luminaire Tested: **LX4C10D010 EX4C109840 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P856854
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: LX4C10D010 EX4C109840 4LBSH
Description:
Light Source: -
Ballast/Driver: -

Summary

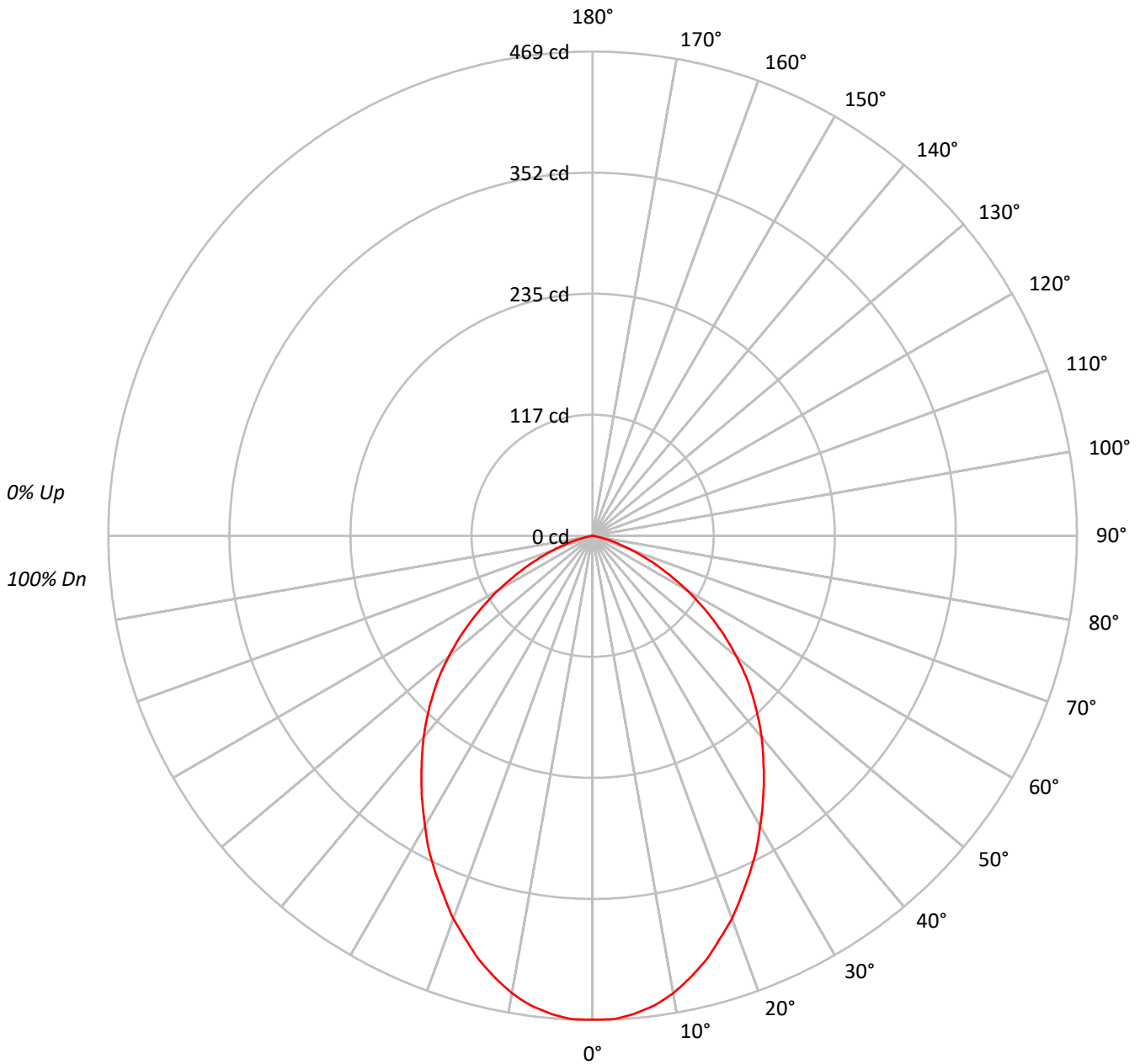
Lumens per Lamp: N/A
Luminaire Lumens: 896.2 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P856854

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P856854

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBSH

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	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°	57581
5°	57320
10°	56137
15°	54093
20°	51602
25°	48826
30°	46047
35°	43358
40°	40831
45°	38049
50°	34708
55°	30650
60°	25947
65°	20378
70°	14548
75°	7974
80°	1415
85°	0



TEST NUMBER: P856854

CATALOG NUMBER: LX4C10D010 EX4C109840 4LSBH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	4.9
10°-20°	119.3	13.3
20°-30°	165.7	18.5
30°-40°	180.8	20.2
40°-50°	168.7	18.8
50°-60°	128.0	14.3
60°-70°	70.1	7.8
70°-80°	19.3	2.2
80°-90°	0.3	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°	329.0	36.7
0°-40°	509.8	56.9
0°-60°	806.5	90.0
0°-90°	896.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	469	
5°	465	44
15°	425	119
25°	360	166
35°	289	181
45°	219	169
55°	143	128
65°	70	70
75°	17	19
85°	0	0
90°	0	



TEST NUMBER: P856854

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBSH

CANDELA DISTRIBUTION (FULL):

0°	
0°	468.7
2.5°	468.7
5°	464.8
7.5°	458.9
10°	450.0
12.5°	438.1
15°	425.3
17.5°	409.5
20°	394.7
22.5°	376.9
25°	360.2
27.5°	343.4
30°	324.6
32.5°	306.8
35°	289.1
37.5°	271.4
40°	254.6
42.5°	236.8
45°	219.0
47.5°	201.3
50°	181.6
52.5°	162.8
55°	143.1
57.5°	124.3
60°	105.6
62.5°	86.9
65°	70.1
67.5°	54.2
70°	40.5
72.5°	27.6
75°	16.8
77.5°	7.8
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)