

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: P856818

Luminaire Tested: **LX4C10D010 EX4C109827 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P856818
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 EX4C109827 4LBWH
Description:
Light Source: -
Ballast/Driver: -

Summary

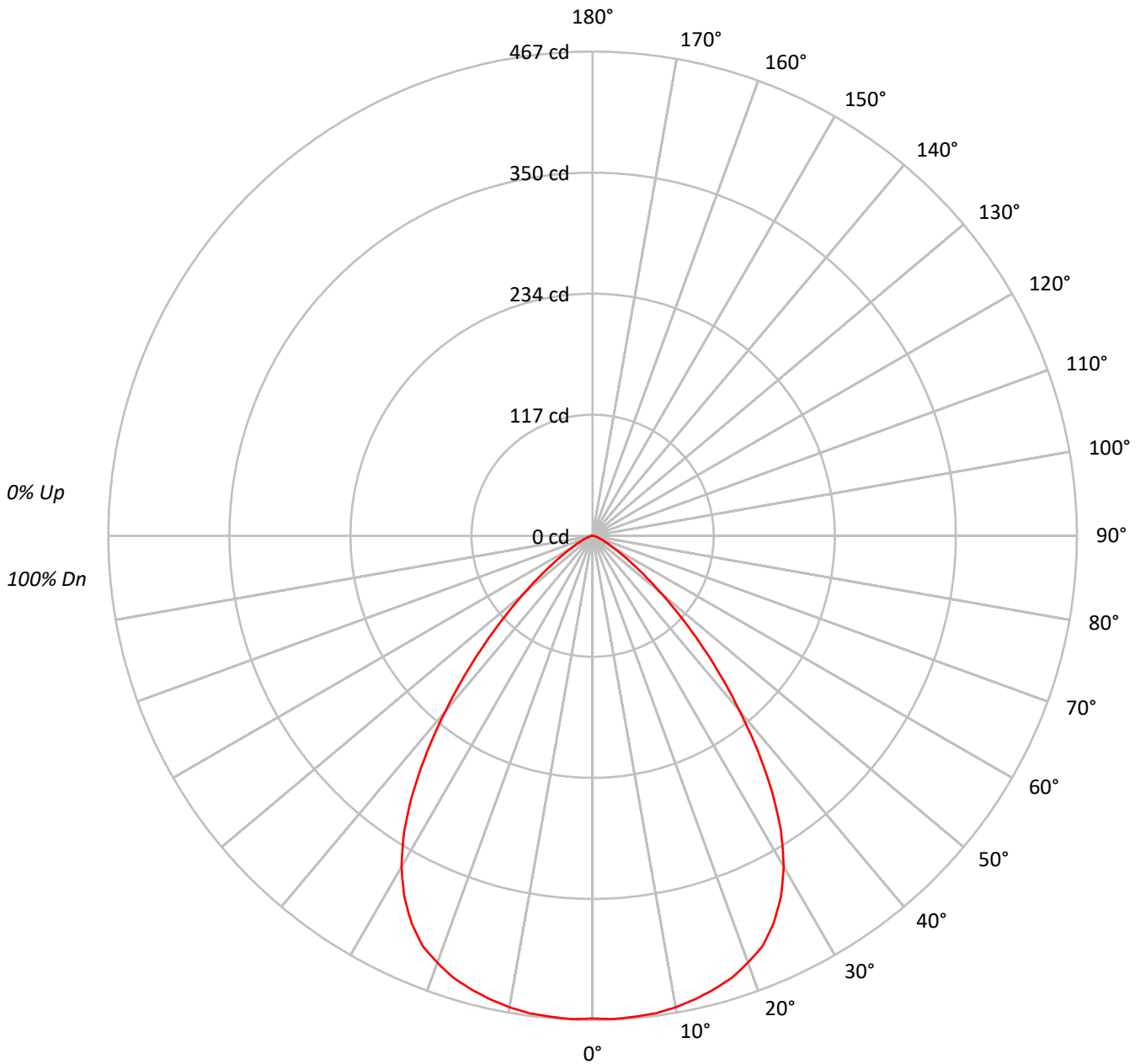
Lumens per Lamp: N/A
Luminaire Lumens: 722.4 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P856818

CATALOG NUMBER: LX4C10D010 EX4C109827 4LBWH

Luminous Intensity Polar Plot





TEST NUMBER: P856818

CATALOG NUMBER: LX4C10D010 EX4C109827 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			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	67	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°	57201
5°	57419
10°	57596
15°	57590
20°	57276
25°	55930
30°	52289
35°	45278
40°	35362
45°	25384
50°	16475
55°	9874
60°	5774
65°	3721
70°	2478
75°	1851
80°	1415
85°	0



TEST NUMBER: P856818

CATALOG NUMBER: LX4C10D010 EX4C109827 4LBWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	6.1
10°-20°	127.7	17.7
20°-30°	188.5	26.1
30°-40°	186.0	25.8
40°-50°	113.9	15.8
50°-60°	43.7	6.0
60°-70°	13.7	1.9
70°-80°	4.0	0.6
80°-90°	0.5	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°	360.6	49.9
0°-40°	546.6	75.7
0°-60°	704.2	97.5
0°-90°	722.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	722.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	466	
5°	466	44
15°	453	128
25°	413	189
35°	302	186
45°	146	114
55°	46	44
65°	13	14
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P856818

CATALOG NUMBER: LX4C10D010 EX4C109827 4LBWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	465.6
2.5°	466.6
5°	465.6
7.5°	464.6
10°	461.7
12.5°	457.7
15°	452.8
17.5°	446.9
20°	438.1
22.5°	428.3
25°	412.6
27.5°	393.0
30°	368.6
32.5°	338.1
35°	301.9
37.5°	261.7
40°	220.5
42.5°	182.3
45°	146.1
47.5°	113.7
50°	86.2
52.5°	63.8
55°	46.1
57.5°	32.4
60°	23.5
62.5°	17.7
65°	12.8
67.5°	9.8
70°	6.9
72.5°	4.9
75°	3.9
77.5°	2.0
80°	2.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)