

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: P856853

Luminaire Tested: **LX4C10D010 EX4C109840 4LBNLI**

Issue Date: 1/21/2022



Test Information

Test Method: LM-79-08
Report Number: P856853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C10D010 EX4C109840 4LBNLI
Description:
Light Source: -
Ballast/Driver: -

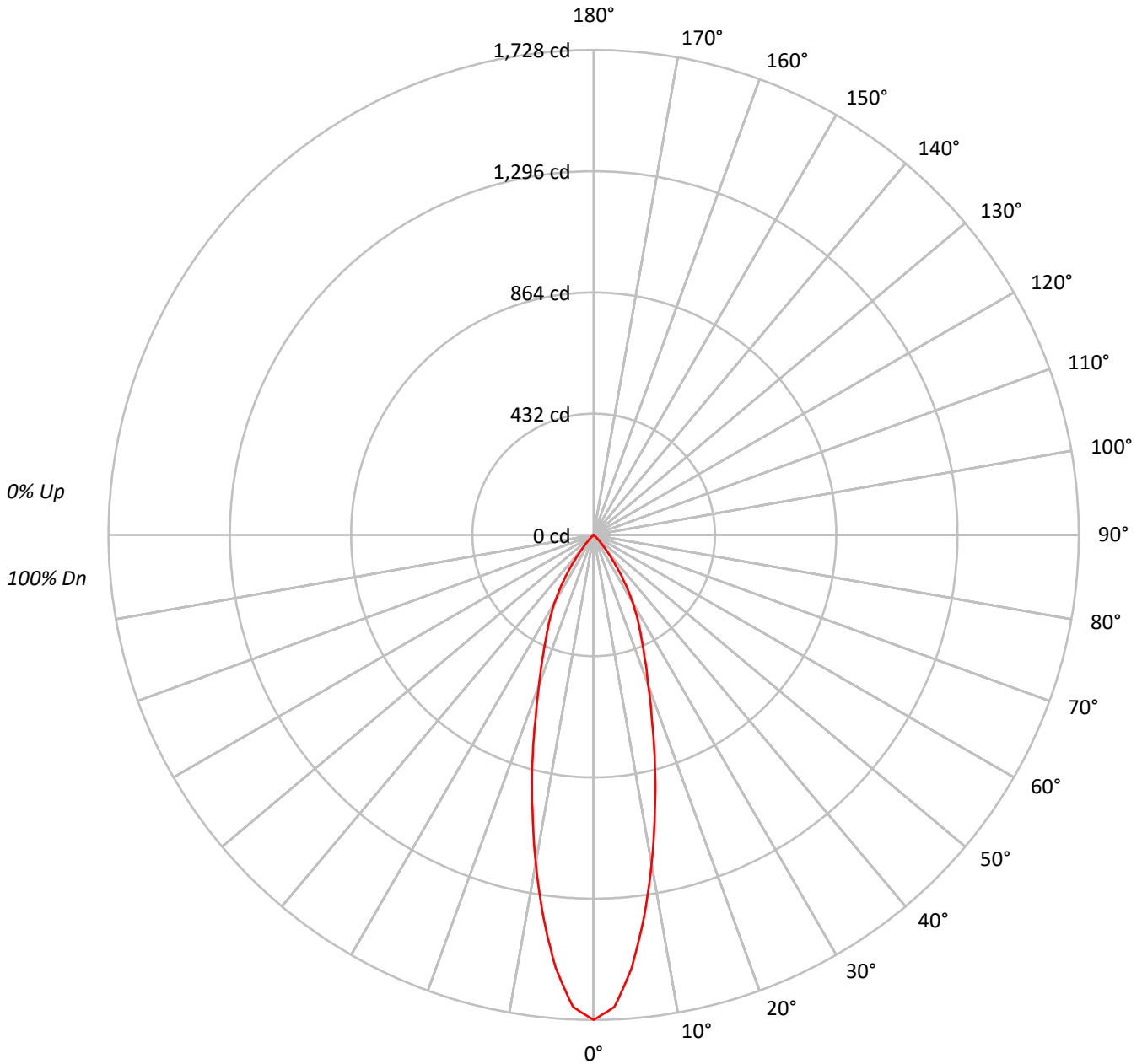
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 671.6 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
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: P856853
CATALOG NUMBER: LX4C10D010 EX4C109840 4LBNLI

Luminous Intensity Polar Plot





TEST NUMBER: P856853

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBNLI

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	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77	77	77	77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73	73	73	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69	69	69	69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63	63	63	63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61	61	61	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212291
5°	191039
10°	148102
15°	107193
20°	74220
25°	54100
30°	39323
35°	23276
40°	9783
45°	3058
50°	401
55°	236
60°	270
65°	320
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P856853

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBNLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	20.3
10°-20°	233.1	34.7
20°-30°	185.3	27.6
30°-40°	98.1	14.6
40°-50°	16.9	2.5
50°-60°	1.3	0.2
60°-70°	0.7	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	554.6	82.6
0°-40°	652.7	97.2
0°-60°	670.9	99.9
0°-90°	671.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	671.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1728	
5°	1549	136
15°	843	233
25°	399	185
35°	155	98
45°	18	17
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P856853

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBNLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1728.0
2.5°	1683.5
5°	1549.1
7.5°	1373.3
10°	1187.2
12.5°	1007.2
15°	842.8
17.5°	689.8
20°	567.7
22.5°	474.7
25°	399.1
27.5°	338.1
30°	277.2
32.5°	215.1
35°	155.2
37.5°	102.4
40°	61.0
42.5°	35.1
45°	17.6
47.5°	6.2
50°	2.1
52.5°	2.1
55°	1.1
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
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)