

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: P857313

Luminaire Tested: **LX4C20D010 EX4C209030 4LBSLI**

Issue Date: 2/9/2022

Test Information

Test Method: LM-79-08
Report Number: P857313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C20D010 EX4C209030 4LBSLI
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

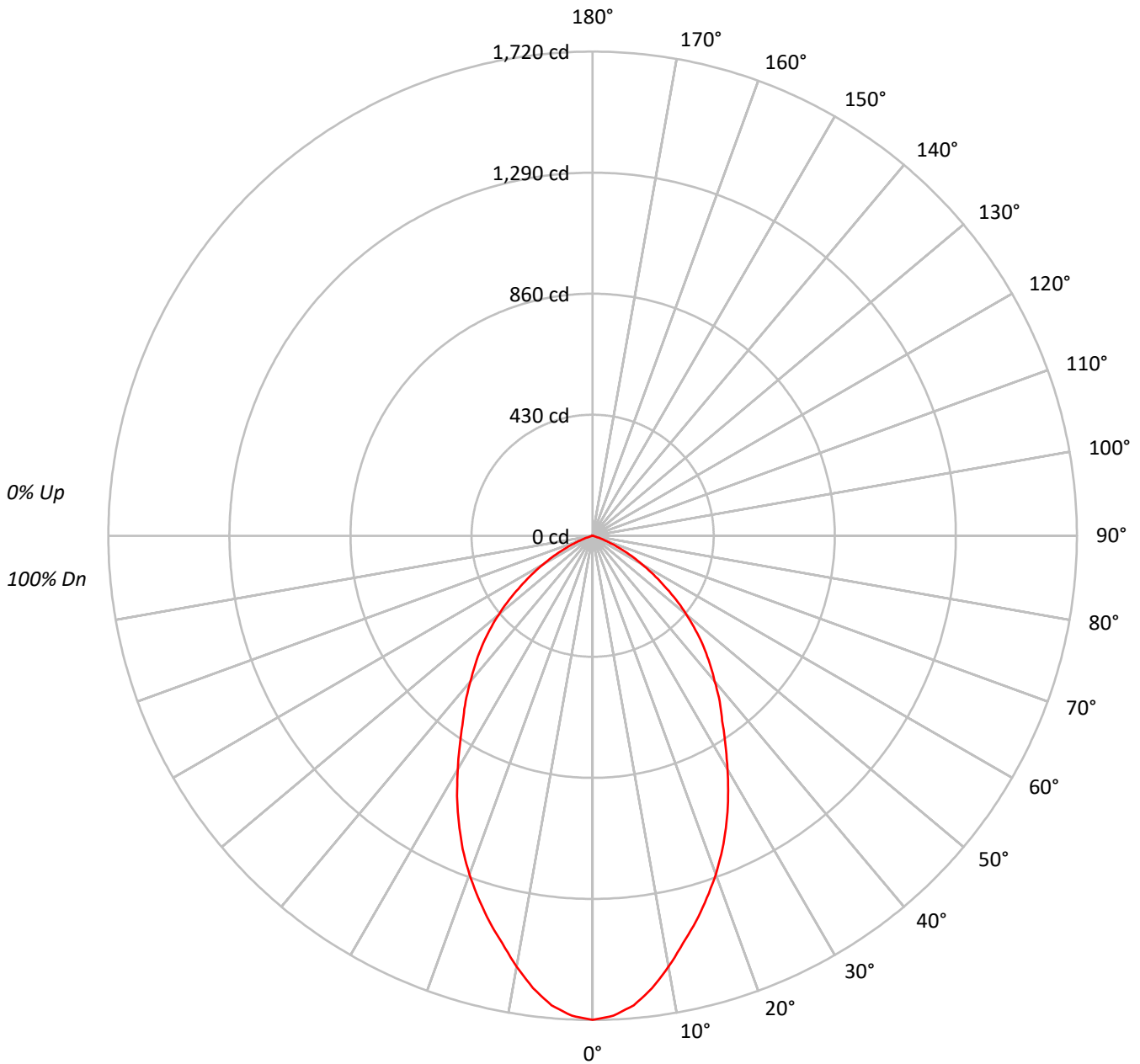
Lumens per Lamp: N/A
Luminaire Lumens: 2408.2 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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: P857313

CATALOG NUMBER: LX4C20D010 EX4C209030 4LBSLI

Luminous Intensity Polar Plot





TEST NUMBER: P857313

CATALOG NUMBER: LX4C20D010 EX4C209030 4LBSLI

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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80			80
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71			71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57			57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51			51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	211259
5°	206467
10°	193897
15°	180390
20°	167292
25°	152512
30°	135787
35°	120356
40°	108172
45°	96809
50°	83044
55°	66827
60°	49780
65°	31773
70°	15302
75°	2516
80°	1839
85°	0



TEST NUMBER: P857313

CATALOG NUMBER: LX4C20D010 EX4C209030 4LBSLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	6.5
10°-20°	397.7	16.5
20°-30°	515.3	21.4
30°-40°	504.9	21.0
40°-50°	427.9	17.8
50°-60°	280.5	11.6
60°-70°	112.8	4.7
70°-80°	12.8	0.5
80°-90°	0.4	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°	1068.9	44.4
0°-40°	1573.8	65.4
0°-60°	2282.2	94.8
0°-90°	2408.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1720	
5°	1674	156
15°	1418	398
25°	1125	515
35°	802	505
45°	557	428
55°	312	281
65°	109	113
75°	5	13
85°	0	0
90°	0	



TEST NUMBER: P857313

CATALOG NUMBER: LX4C20D010 EX4C209030 4LBSLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1719.6
2.5°	1706.3
5°	1674.2
7.5°	1620.9
10°	1554.3
12.5°	1482.3
15°	1418.3
17.5°	1349.0
20°	1279.6
22.5°	1205.1
25°	1125.1
27.5°	1042.3
30°	957.2
32.5°	877.1
35°	802.5
37.5°	741.1
40°	674.5
42.5°	615.8
45°	557.2
47.5°	495.9
50°	434.5
52.5°	373.2
55°	312.0
57.5°	255.9
60°	202.6
62.5°	154.6
65°	109.3
67.5°	72.0
70°	42.6
72.5°	18.6
75°	5.3
77.5°	2.6
80°	2.6
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)