

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: P859313

Luminaire Tested: **LX4C60D010 EX4C609030 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P859313
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: LX4C60D010 EX4C609030 4LBSLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

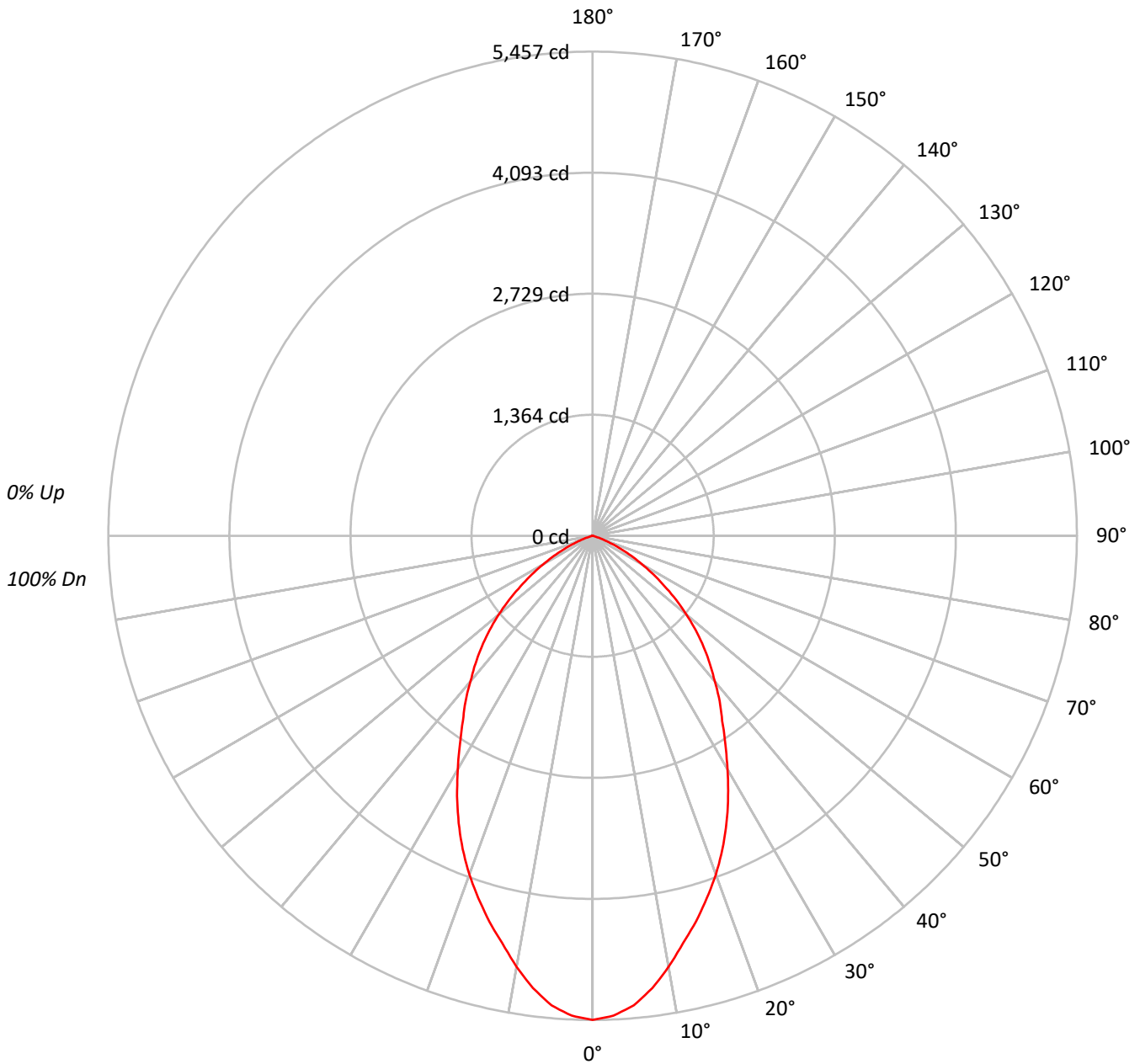
Lumens per Lamp: N/A
Luminaire Lumens: 7642.2 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 97.5
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: P859313

CATALOG NUMBER: LX4C60D010 EX4C609030 4LBSLI

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80																			
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71																			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63																			
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57																			
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51																			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42																			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39																			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	670387
5°	655201
10°	615273
15°	572432
20°	530914
25°	483968
30°	430868
35°	381900
40°	343264
45°	307209
50°	263544
55°	212004
60°	157965
65°	100872
70°	48636
75°	8069
80°	5943
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.8	6.5
10°-20°	1261.9	16.5
20°-30°	1635.2	21.4
30°-40°	1602.2	21.0
40°-50°	1358.0	17.8
50°-60°	890.2	11.6
60°-70°	357.9	4.7
70°-80°	40.9	0.5
80°-90°	1.1	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°	3391.9	44.4
0°-40°	4994.1	65.3
0°-60°	7242.3	94.8
0°-90°	7642.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7642.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5457	
5°	5313	495
15°	4501	1262
25°	3570	1635
35°	2546	1602
45°	1768	1358
55°	990	890
65°	347	358
75°	17	41
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5456.8
2.5°	5414.5
5°	5312.9
7.5°	5143.7
10°	4932.1
12.5°	4703.8
15°	4500.7
17.5°	4280.9
20°	4060.9
22.5°	3824.1
25°	3570.3
27.5°	3307.8
30°	3037.3
32.5°	2783.5
35°	2546.4
37.5°	2352.0
40°	2140.4
42.5°	1954.2
45°	1768.2
47.5°	1573.6
50°	1378.9
52.5°	1184.5
55°	989.8
57.5°	812.1
60°	642.9
62.5°	490.6
65°	347.0
67.5°	228.5
70°	135.4
72.5°	59.2
75°	17.0
77.5°	8.4
80°	8.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)