

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: P859111

Luminaire Tested: **LX4C55D010 EX4C559035 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P859111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559035 4LBMLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

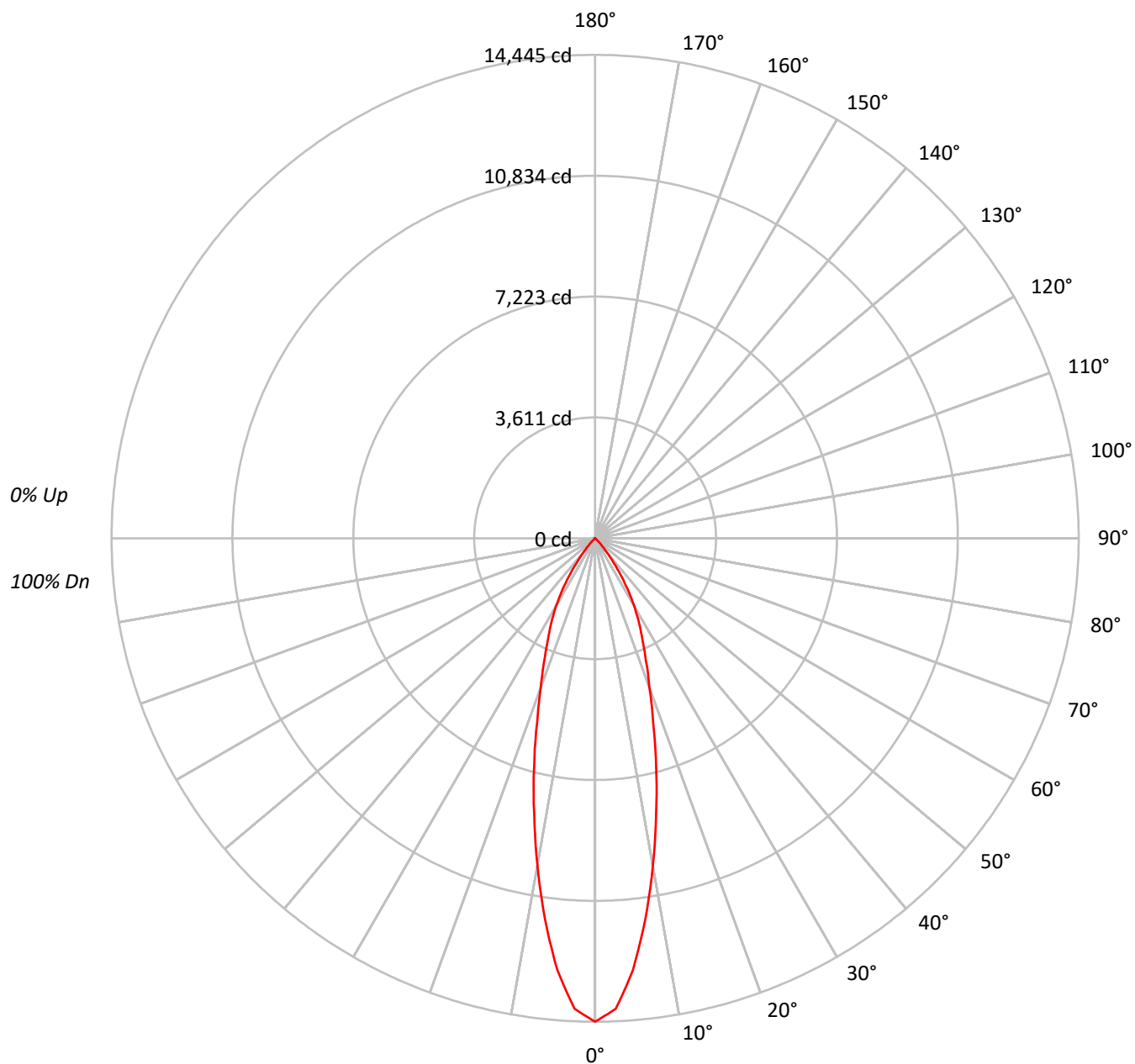
Lumens per Lamp: N/A
Luminaire Lumens: 5613.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V):
Input Current (Ain): 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: P859111

CATALOG NUMBER: LX4C55D010 EX4C559035 4LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P859111

CATALOG NUMBER: LX4C55D010 EX4C559035 4LBMLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	92	103	98	94	91	95	92	89		93	90	88		91
4	101	94	89	86	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	84	80	87	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	78	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	68	84	77	72	68	76	71	68		75	71	68		74
9	82	74	69	65	81	73	68	65	72	68	65		72	68	65		71
10	79	71	66	62	78	70	65	62	69	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1774569
5°	1596931
10°	1237969
15°	896034
20°	620430
25°	452316
30°	328645
35°	194474
40°	81791
45°	25505
50°	3306
55°	1863
60°	2138
65°	2529
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P859111

CATALOG NUMBER: LX4C55D010 EX4C559035 4LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1138.3	20.3
10°-20°	1948.8	34.7
20°-30°	1548.8	27.6
30°-40°	819.9	14.6
40°-50°	141.2	2.5
50°-60°	10.6	0.2
60°-70°	5.3	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°	4636.0	82.6
0°-40°	5455.9	97.2
0°-60°	5607.7	99.9
0°-90°	5613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5613.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14445	
5°	12949	###
15°	7045	1949
25°	3337	1549
35°	1297	820
45°	147	141
55°	9	11
65°	9	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P859111

CATALOG NUMBER: LX4C55D010 EX4C559035 4LBMLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	14444.6
2.5°	14072.8
5°	12949.2
7.5°	11479.8
10°	9923.7
12.5°	8419.6
15°	7045.0
17.5°	5765.7
20°	4745.6
22.5°	3967.6
25°	3336.8
27.5°	2826.8
30°	2316.7
32.5°	1798.1
35°	1296.7
37.5°	855.9
40°	510.0
42.5°	294.0
45°	146.8
47.5°	51.9
50°	17.3
52.5°	17.3
55°	8.7
57.5°	8.7
60°	8.7
62.5°	8.7
65°	8.7
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)