

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: P859163

Luminaire Tested: **LX4C55D010 EX4C559727 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859163
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: LX4C55D010 EX4C559727 4LBWH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

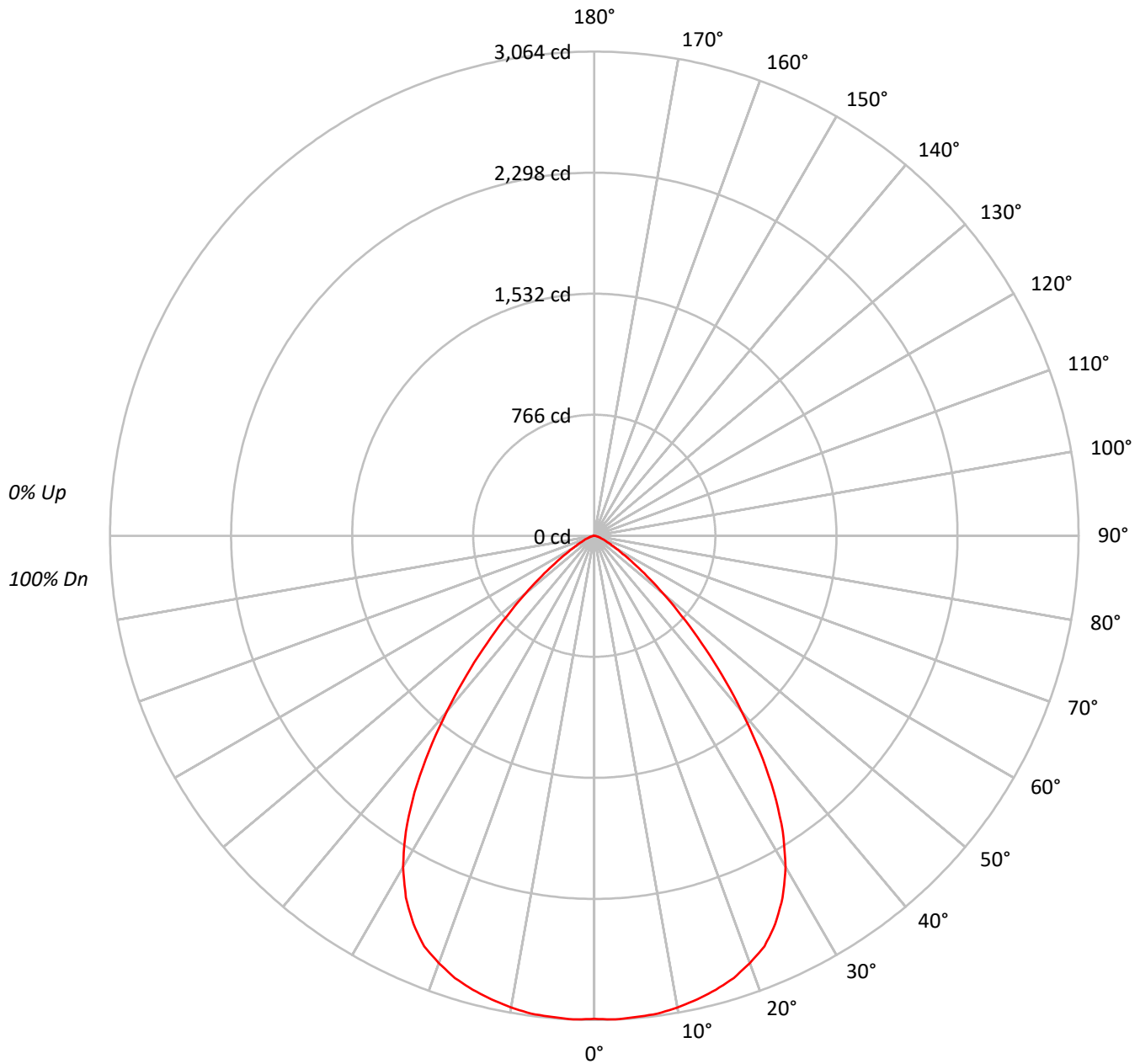
Lumens per Lamp: N/A
Luminaire Lumens: 4743.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P859163

CATALOG NUMBER: LX4C55D010 EX4C559727 4LBWH

Luminous Intensity Polar Plot





TEST NUMBER: P859163

CATALOG NUMBER: LX4C55D010 EX4C559727 4LBWH

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	375575
5°	377010
10°	378163
15°	378179
20°	376107
25°	367297
30°	343285
35°	297283
40°	232221
45°	166618
50°	108235
55°	64792
60°	37913
65°	24331
70°	16200
75°	12246
80°	9127
85°	0



TEST NUMBER: P859163

CATALOG NUMBER: LX4C55D010 EX4C559727 4LBWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.1	6.1
10°-20°	838.9	17.7
20°-30°	1237.9	26.1
30°-40°	1221.6	25.8
40°-50°	747.5	15.8
50°-60°	286.6	6.0
60°-70°	89.6	1.9
70°-80°	26.3	0.6
80°-90°	3.5	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°	2367.9	49.9
0°-40°	3589.5	75.7
0°-60°	4623.6	97.5
0°-90°	4743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4743.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3057	
5°	3057	291
15°	2973	839
25°	2710	1238
35°	1982	1222
45°	959	748
55°	302	287
65°	84	90
75°	26	26
85°	0	3
90°	0	



TEST NUMBER: P859163

CATALOG NUMBER: LX4C55D010 EX4C559727 4LBWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3057.1
2.5°	3063.6
5°	3057.1
7.5°	3050.7
10°	3031.4
12.5°	3005.6
15°	2973.4
17.5°	2934.7
20°	2876.8
22.5°	2812.6
25°	2709.6
27.5°	2580.7
30°	2419.9
32.5°	2220.5
35°	1982.2
37.5°	1718.3
40°	1448.0
42.5°	1197.1
45°	959.0
47.5°	746.4
50°	566.3
52.5°	418.5
55°	302.5
57.5°	212.3
60°	154.3
62.5°	116.0
65°	83.7
67.5°	64.4
70°	45.1
72.5°	32.2
75°	25.8
77.5°	12.9
80°	12.9
82.5°	6.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)