

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: P859150

Luminaire Tested: **LX4C55D010 EX4C559050 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559050 4LBMDH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

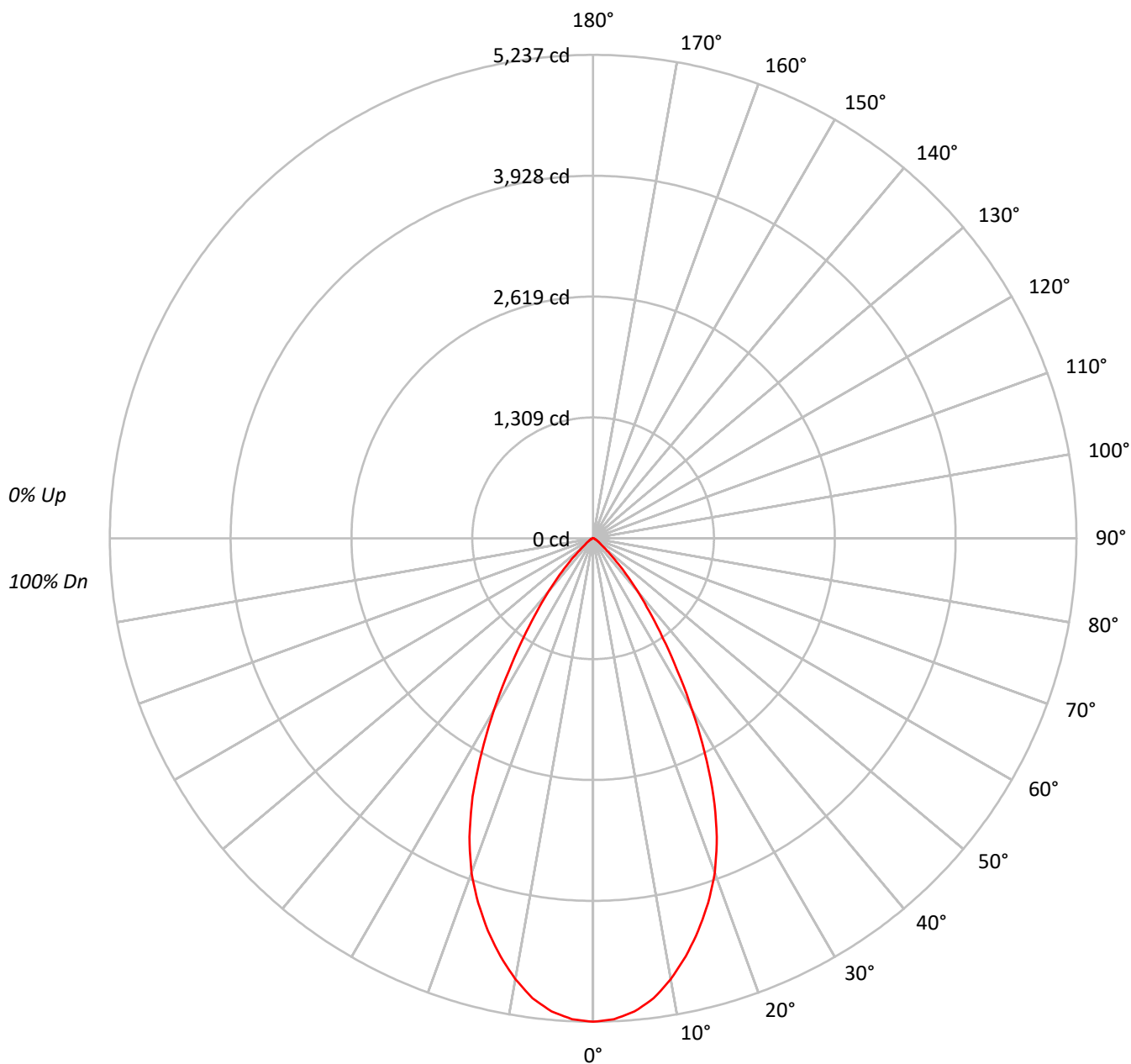
Lumens per Lamp: N/A
Luminaire Lumens: 4347.0 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P859150

CATALOG NUMBER: LX4C55D010 EX4C559050 4LBMDH

Luminous Intensity Polar Plot





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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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	63	60	68	63	59		67	62	59		66
9	76	66	60	56	74	65	60	56	64	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	643371
5°	634681
10°	604906
15°	559751
20°	503890
25°	418617
30°	304302
35°	197249
40°	119366
45°	61522
50°	27847
55°	16771
60°	11253
65°	8052
70°	6070
75°	3987
80°	2547
85°	1692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.8	11.1
10°-20°	1228.1	28.3
20°-30°	1388.7	31.9
30°-40°	839.2	19.3
40°-50°	294.0	6.8
50°-60°	75.2	1.7
60°-70°	28.8	0.7
70°-80°	9.6	0.2
80°-90°	1.5	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°	3098.6	71.3
0°-40°	3937.8	90.6
0°-60°	4307.0	99.1
0°-90°	4347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4347.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5237	
5°	5146	482
15°	4401	1228
25°	3088	1389
35°	1315	839
45°	354	294
55°	78	75
65°	28	29
75°	8	10
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5236.9
2.5°	5215.2
5°	5146.5
7.5°	5024.9
10°	4849.0
12.5°	4637.1
15°	4401.0
17.5°	4142.0
20°	3854.2
22.5°	3501.3
25°	3088.2
27.5°	2614.8
30°	2145.1
32.5°	1695.8
35°	1315.2
37.5°	997.3
40°	744.3
42.5°	534.8
45°	354.1
47.5°	218.0
50°	145.7
52.5°	104.8
55°	78.3
57.5°	60.2
60°	45.8
62.5°	36.1
65°	27.7
67.5°	21.7
70°	16.9
72.5°	12.0
75°	8.4
77.5°	6.0
80°	3.6
82.5°	2.4
85°	1.2
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)