

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: P859088

Luminaire Tested: **LX4C55D010 EX4C559030 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559030 4LBMDLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

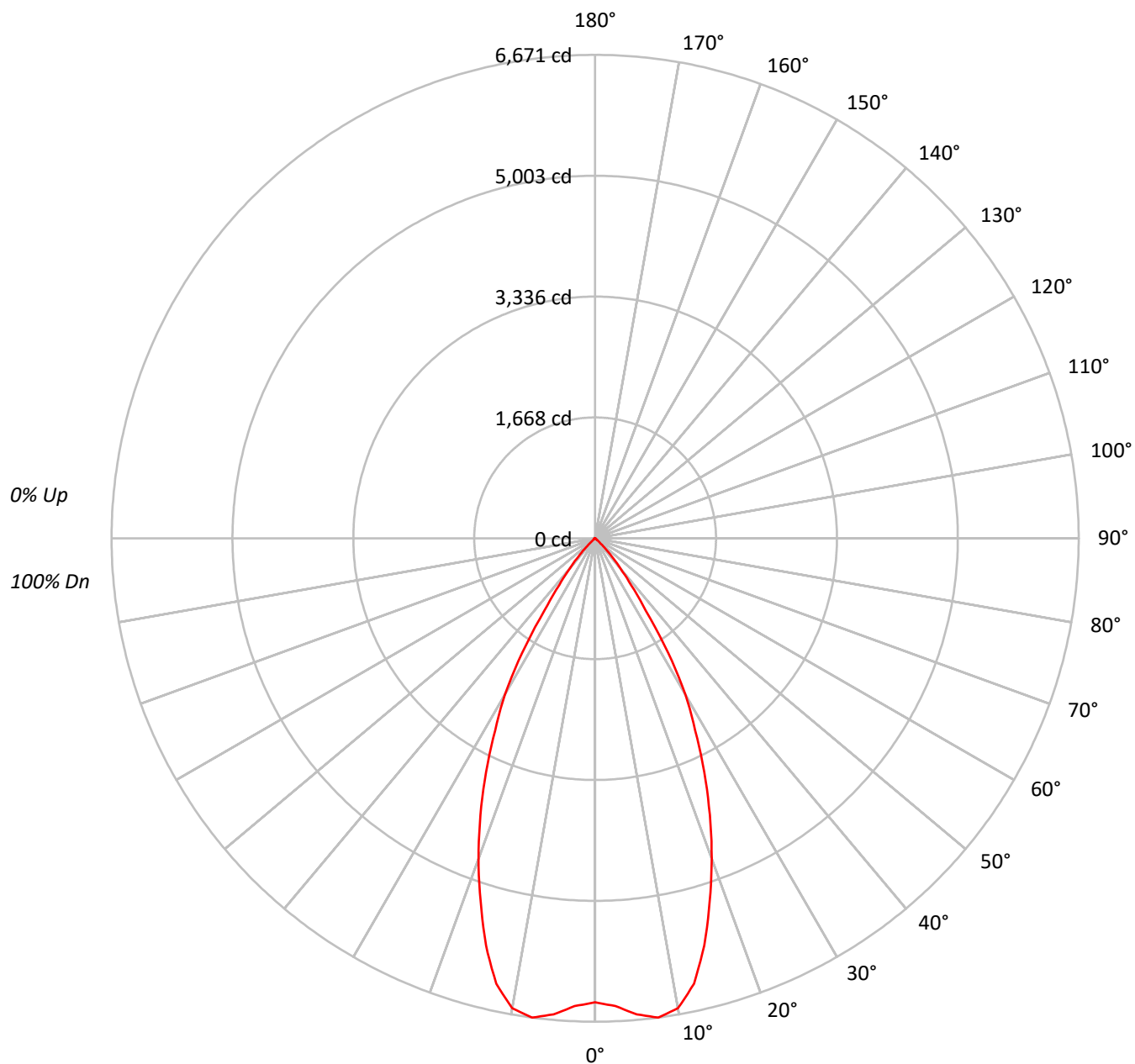
Lumens per Lamp: N/A
Luminaire Lumens: 4874.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	70
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	63		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		66	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		63	59	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	786459
5°	813252
10°	821495
15°	740014
20°	614978
25°	482477
30°	353101
35°	182461
40°	86650
45°	30492
50°	6881
55°	4477
60°	3145
65°	2355
70°	1652
75°	1092
80°	849
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.9	12.9
10°-20°	1602.6	32.9
20°-30°	1621.6	33.3
30°-40°	826.7	17.0
40°-50°	162.0	3.3
50°-60°	19.6	0.4
60°-70°	8.2	0.2
70°-80°	2.9	0.1
80°-90°	0.5	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°	3854.1	79.1
0°-40°	4680.8	96.0
0°-60°	4862.4	99.8
0°-90°	4874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4874.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6402	
5°	6594	630
15°	5818	1603
25°	3559	1622
35°	1217	827
45°	176	162
55°	21	20
65°	8	8
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6401.6
2.5°	6460.9
5°	6594.5
7.5°	6671.2
10°	6585.2
12.5°	6295.9
15°	5818.3
17.5°	5254.7
20°	4703.9
22.5°	4133.4
25°	3559.3
27.5°	2987.6
30°	2489.1
32.5°	1875.5
35°	1216.6
37.5°	814.6
40°	540.3
42.5°	339.3
45°	175.5
47.5°	62.7
50°	36.0
52.5°	26.7
55°	20.9
57.5°	16.3
60°	12.8
62.5°	10.5
65°	8.1
67.5°	5.8
70°	4.6
72.5°	3.5
75°	2.3
77.5°	2.3
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)