

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: P859130

Luminaire Tested: **LX4C55D010 EX4C559040 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859130
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 EX4C559040 4LBMDLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

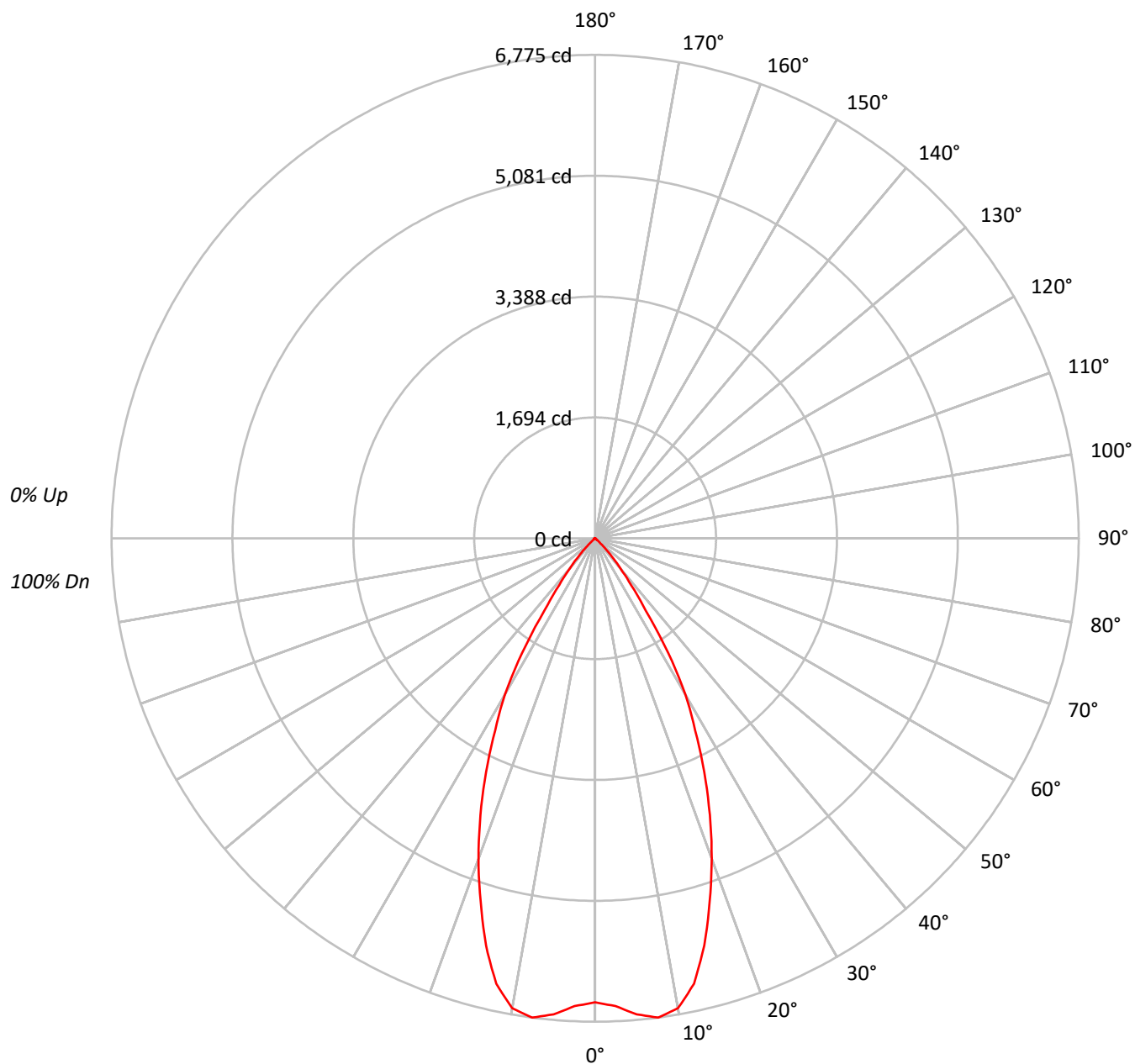
Lumens per Lamp: N/A
Luminaire Lumens: 4950.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P859130

CATALOG NUMBER: LX4C55D010 EX4C559040 4LBMDLI

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°	798732
5°	825942
10°	834307
15°	751550
20°	624574
25°	490000
30°	358605
35°	185311
40°	88013
45°	30961
50°	6995
55°	4541
60°	3194
65°	2413
70°	1688
75°	1139
80°	849
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.7	12.9
10°-20°	1627.6	32.9
20°-30°	1646.9	33.3
30°-40°	839.6	17.0
40°-50°	164.6	3.3
50°-60°	19.9	0.4
60°-70°	8.3	0.2
70°-80°	3.0	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°	3914.2	79.1
0°-40°	4753.8	96.0
0°-60°	4938.3	99.8
0°-90°	4950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4950.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6502	
5°	6697	640
15°	5909	1628
25°	3615	1647
35°	1236	840
45°	178	165
55°	21	20
65°	8	8
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6501.5
2.5°	6561.6
5°	6697.4
7.5°	6775.3
10°	6687.9
12.5°	6394.1
15°	5909.0
17.5°	5336.7
20°	4777.3
22.5°	4197.8
25°	3614.8
27.5°	3034.2
30°	2527.9
32.5°	1904.8
35°	1235.6
37.5°	827.3
40°	548.8
42.5°	344.6
45°	178.2
47.5°	63.7
50°	36.6
52.5°	27.1
55°	21.2
57.5°	16.5
60°	13.0
62.5°	10.6
65°	8.3
67.5°	5.9
70°	4.7
72.5°	3.5
75°	2.4
77.5°	2.4
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)