

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: P#

Luminaire Tested: **LD4C55D010 EX4C559040 4LCSQWLI**

Issue Date: 2/18/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C55D010 EX4C559040 4LCSQWLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

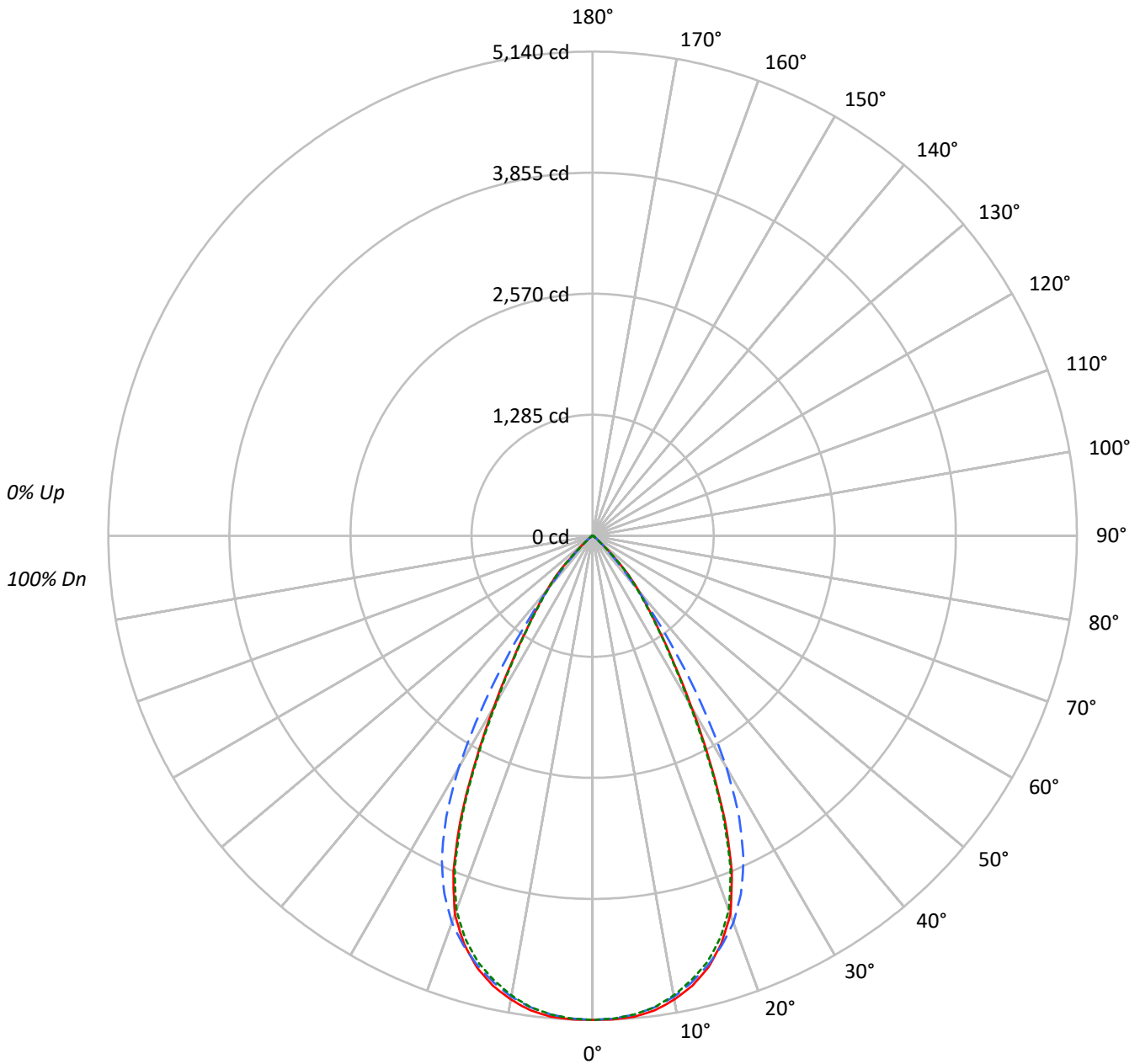
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4600.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	495789	495789	495789
5°	496307	494022	494022
10°	489789	486899	485390
15°	473891	471653	468467
20°	438881	448461	434034
25°	352885	403402	348232
30°	232915	316298	227388
35°	145578	189927	142940
40°	95010	88019	91294
45°	45740	35110	43161
50°	11513	14005	10808
55°	6359	5753	6157
60°	4323	3647	4091
65°	2968	2694	2968
70°	2342	2003	2342
75°	1752	1752	1752
80°	1334	1945	1945
85°	1329	2657	2657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.2	10.5
10°-20°	1319.6	28.7
20°-30°	1572.6	34.2
30°-40°	890.5	19.4
40°-50°	275.3	6.0
50°-60°	38.2	0.8
60°-70°	13.0	0.3
70°-80°	5.2	0.1
80°-90°	2.2	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°	3375.5	73.4
0°-40°	4266.0	92.7
0°-60°	4579.6	99.6
0°-90°	4600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4600.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5138	5138	5138	5138	5138	
5°	5124	5112	5100	5097	5100	485
15°	4744	4736	4722	4703	4690	1323
25°	3315	3508	3789	3514	3271	1478
35°	1236	1348	1612	1352	1214	804
45°	335	391	257	380	316	277
55°	38	38	34	37	37	37
65°	13	13	12	13	13	14
75°	5	5	5	5	5	5
85°	1	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5138.3	5138.3	5138.3	5138.3	5138.3
2.5°	5139.5	5131.2	5128.8	5126.5	5131.2
5°	5124.1	5112.3	5100.5	5097.0	5100.5
7.5°	5080.4	5068.6	5048.6	5043.9	5047.4
10°	4999.0	4988.4	4969.5	4958.9	4954.1
12.5°	4891.6	4873.9	4856.2	4844.4	4832.6
15°	4744.0	4735.8	4721.6	4702.7	4689.7
17.5°	4539.8	4551.6	4559.9	4522.1	4487.9
20°	4274.2	4317.9	4367.5	4290.8	4227.0
22.5°	3859.9	3985.0	4111.3	3966.1	3824.5
25°	3314.6	3508.2	3789.1	3514.1	3270.9
27.5°	2678.3	2923.9	3366.5	2925.0	2642.9
30°	2090.5	2343.1	2838.9	2310.0	2040.9
32.5°	1605.3	1794.2	2218.0	1765.9	1571.1
35°	1235.9	1348.0	1612.4	1351.6	1213.5
37.5°	960.8	1017.5	1084.8	997.4	932.5
40°	754.3	756.6	698.8	744.8	724.8
42.5°	559.5	557.1	429.7	543.0	546.5
45°	335.2	390.7	257.3	380.1	316.3
47.5°	159.4	220.7	154.6	208.9	147.6
50°	76.7	106.2	93.3	99.2	72.0
52.5°	51.9	54.3	53.1	51.9	49.6
55°	37.8	37.8	34.2	36.6	36.6
57.5°	28.3	28.3	24.8	27.1	27.1
60°	22.4	21.2	18.9	21.2	21.2
62.5°	16.5	16.5	14.2	16.5	16.5
65°	13.0	13.0	11.8	13.0	13.0
67.5°	10.6	10.6	8.3	10.6	9.4
70°	8.3	8.3	7.1	8.3	8.3
72.5°	5.9	5.9	5.9	5.9	5.9
75°	4.7	4.7	4.7	4.7	4.7
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.4	2.4	3.5	3.5	3.5
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	2.4	2.4	2.4	2.4
87.5°	1.2	1.2	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)