

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: **LD4C75D010 EX4C759030 4LCSQWH**

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 (G1-2105-247-14)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C75D010 EX4C759030 4LCSQWH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

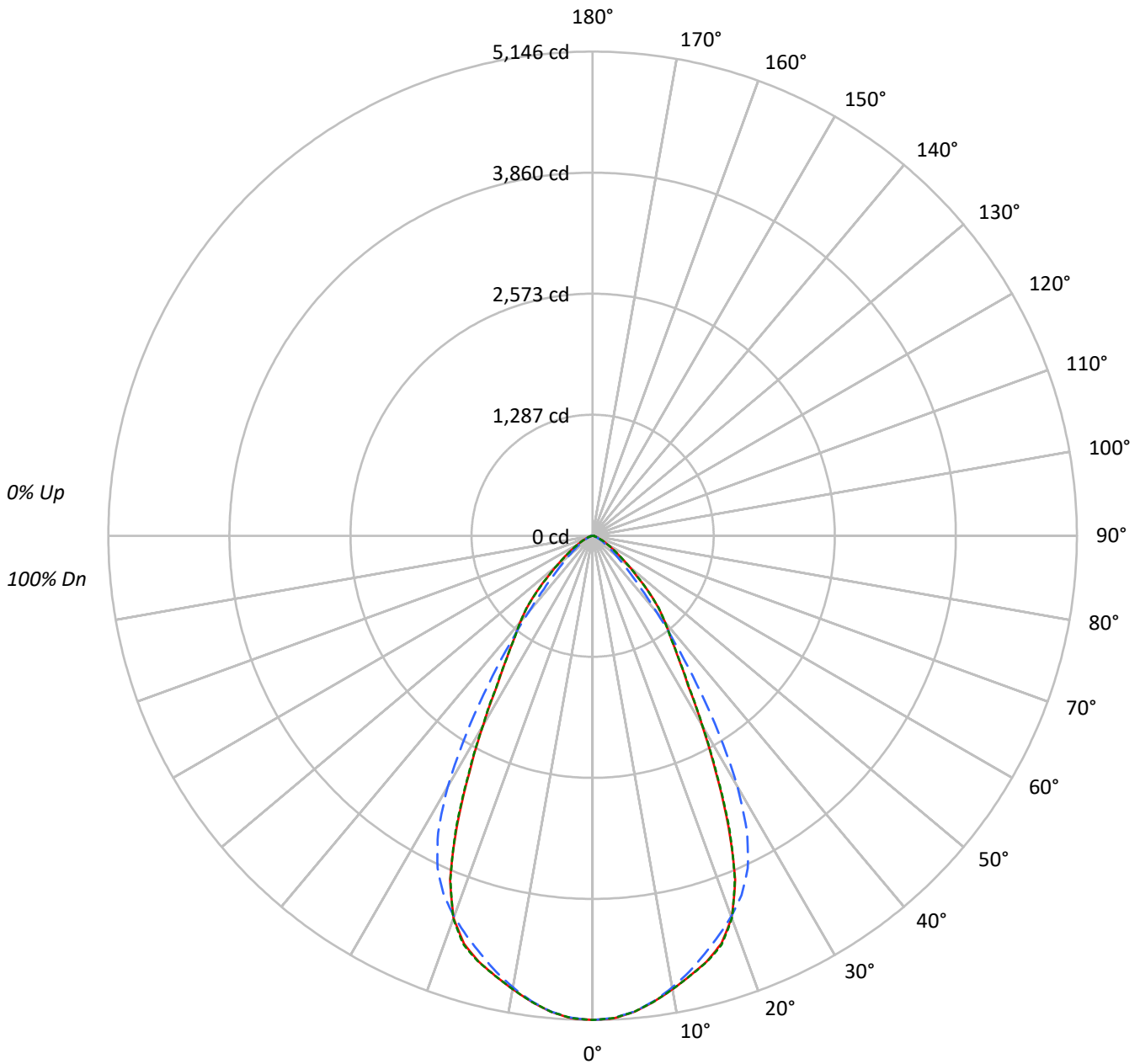
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5447.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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			100																
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92																
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84																
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77			77																
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71			71																
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66			66																
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61			61																
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56			56																
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	496570	496570	496570
5°	492017	491707	491862
10°	479423	477512	479423
15°	467877	459456	468367
20°	443614	441951	444446
25°	363882	415208	365788
30°	259476	343016	259844
35°	187158	227302	187724
40°	150040	132054	150040
45°	114500	77070	113613
50°	75520	49206	75280
55°	50787	33039	50231
60°	34138	22559	34447
65°	23334	15936	22968
70°	15573	11454	15573
75°	10289	8463	10289
80°	7224	6334	7224
85°	5425	5425	5425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.4	8.8
10°-20°	1304.5	23.9
20°-30°	1630.8	29.9
30°-40°	1097.1	20.1
40°-50°	579.3	10.6
50°-60°	235.4	4.3
60°-70°	87.3	1.6
70°-80°	28.2	0.5
80°-90°	6.1	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°	3413.7	62.7
0°-40°	4510.7	82.8
0°-60°	5325.4	97.8
0°-90°	5447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5447.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5146	5146	5146	5146	5146	
5°	5080	5075	5077	5077	5078	479
15°	4684	4645	4600	4643	4689	1312
25°	3418	3610	3900	3616	3436	1538
35°	1589	1668	1930	1672	1594	1022
45°	839	797	565	794	833	643
55°	302	253	196	253	299	280
65°	102	83	70	83	101	105
75°	28	24	23	24	28	32
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5146.4	5146.4	5146.4	5146.4	5146.4
2.5°	5133.4	5130.2	5128.5	5128.5	5130.2
5°	5079.8	5075.0	5076.6	5076.6	5078.2
7.5°	4993.8	4992.2	4987.3	4993.8	4993.8
10°	4893.2	4885.1	4873.7	4886.7	4893.2
12.5°	4789.3	4765.0	4745.5	4765.0	4789.3
15°	4683.8	4644.9	4599.5	4643.3	4688.7
17.5°	4545.9	4506.9	4456.6	4515.1	4558.9
20°	4320.3	4323.6	4304.1	4320.3	4328.4
22.5°	3958.4	4031.4	4133.7	4033.0	3947.0
25°	3417.9	3609.5	3900.0	3615.9	3435.8
27.5°	2838.5	3082.0	3557.5	3096.6	2856.4
30°	2328.9	2544.8	3078.7	2559.4	2332.2
32.5°	1885.9	2046.5	2502.6	2066.0	1907.0
35°	1588.9	1668.4	1929.7	1671.6	1593.7
37.5°	1361.7	1361.7	1433.1	1368.2	1355.2
40°	1191.2	1139.3	1048.4	1137.7	1191.2
42.5°	1032.2	954.3	761.2	951.1	1035.4
45°	839.1	796.9	564.8	793.6	832.6
47.5°	644.3	615.1	425.2	611.9	649.2
50°	503.1	457.7	327.8	454.4	501.5
52.5°	386.3	337.6	253.2	337.6	383.0
55°	301.9	253.2	196.4	253.2	298.6
57.5°	232.1	193.1	149.3	189.9	230.5
60°	176.9	144.4	116.9	144.4	178.5
62.5°	134.7	110.4	89.3	108.7	133.1
65°	102.2	82.8	69.8	82.8	100.6
67.5°	74.7	61.7	53.6	61.7	76.3
70°	55.2	47.1	40.6	45.4	55.2
72.5°	40.6	34.1	30.8	34.1	40.6
75°	27.6	24.3	22.7	24.3	27.6
77.5°	19.5	17.9	16.2	17.9	19.5
80°	13.0	11.4	11.4	13.0	13.0
82.5°	8.1	8.1	8.1	8.1	8.1
85°	4.9	4.9	4.9	4.9	4.9
87.5°	3.2	3.2	3.2	3.2	3.2
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)