

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: **LD4C70D010 EX4C709027 4LCSQWLI**

Issue Date: 2/18/2022



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: LD4C70D010 EX4C709027 4LCSQWLI
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

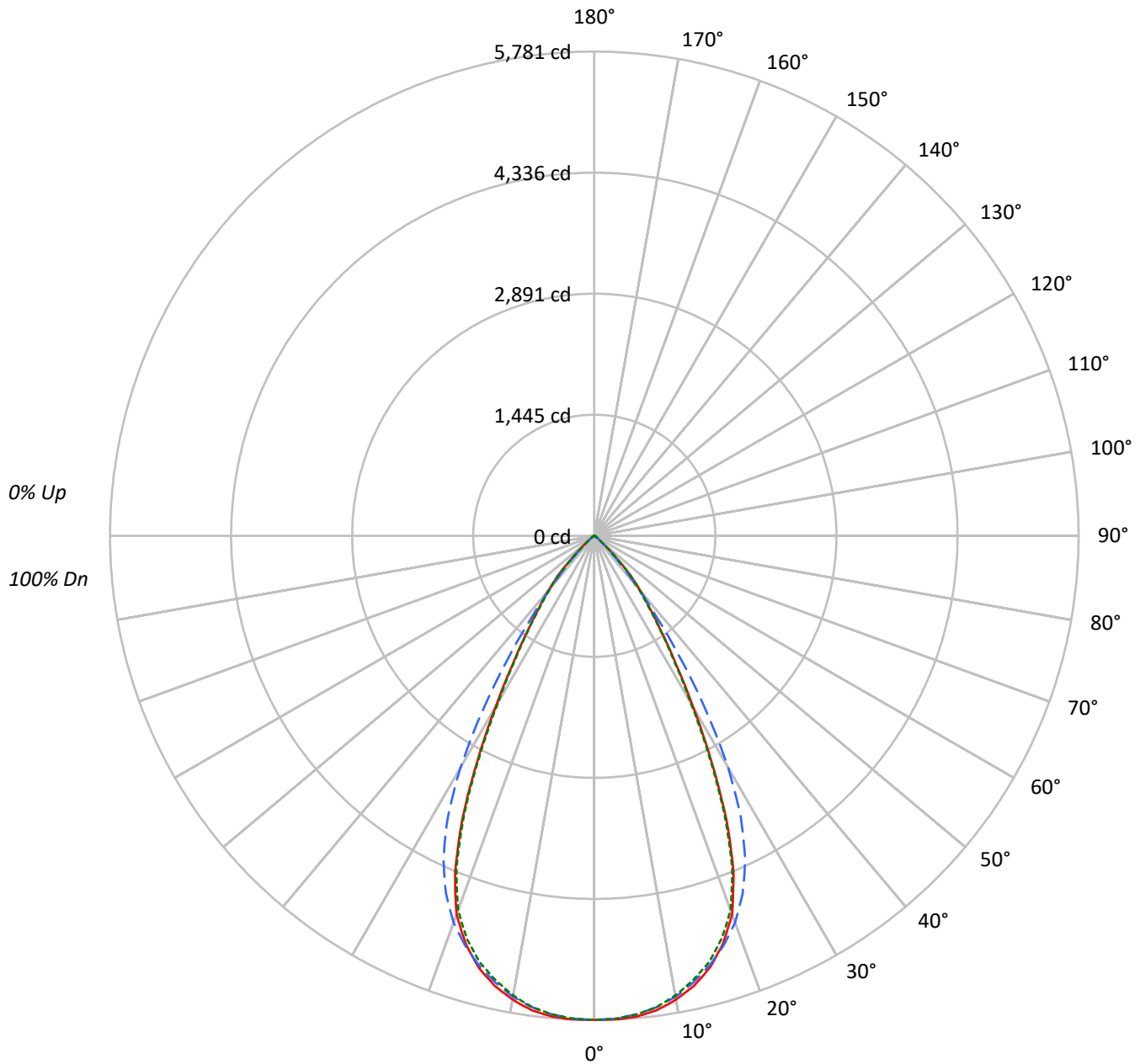
Lumens per Lamp: N/A
Luminaire Lumens: 5174.0 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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	108	106		111	109	106	104		105	103	101		101	100	98		97	96	95
2	108	103	99	96		106	102	98	95		98	95	93		95	93	91		93	91	89
3	103	96	91	88		101	95	90	87		92	89	85		90	87	84		88	85	83
4	98	90	85	80		96	89	84	80		87	82	79		85	81	78		83	80	77
5	93	84	79	74		91	84	78	74		82	77	73		80	76	73		79	75	72
6	88	79	73	69		87	79	73	69		77	72	68		76	71	68		74	71	68
7	84	75	69	65		82	74	68	64		73	68	64		71	67	64		70	66	63
8	80	70	64	60		79	70	64	60		69	64	60		68	63	60		67	63	59
9	76	66	61	57		75	66	60	57		65	60	56		64	60	56		63	59	56
10	72	63	57	53		71	62	57	53		62	57	53		61	56	53		60	56	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	557658	557658	557658
5°	558238	555671	555671
10°	550907	547654	545959
15°	533027	530510	526924
20°	493651	504422	488198
25°	396918	453738	391680
30°	261972	355762	255766
35°	163742	213626	160773
40°	106862	99002	102680
45°	51458	39490	48551
50°	12954	15747	12159
55°	7149	6477	6931
60°	4863	4091	4612
65°	3333	3037	3333
70°	2624	2257	2624
75°	1976	1976	1976
80°	1500	2223	2223
85°	1439	2989	2989



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.5	10.5
10°-20°	1484.3	28.7
20°-30°	1768.9	34.2
30°-40°	1001.6	19.4
40°-50°	309.7	6.0
50°-60°	43.0	0.8
60°-70°	14.7	0.3
70°-80°	5.8	0.1
80°-90°	2.5	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°	3796.7	73.4
0°-40°	4798.3	92.7
0°-60°	5151.0	99.6
0°-90°	5174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5780	5780	5780	5780	5780	
5°	5764	5750	5737	5733	5737	546
15°	5336	5327	5311	5290	5275	1488
25°	3728	3946	4262	3952	3679	1662
35°	1390	1516	1814	1520	1365	905
45°	377	440	289	428	356	311
55°	42	42	38	41	41	42
65°	15	15	13	15	15	15
75°	5	5	5	5	5	6
85°	1	3	3	3	3	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5779.5	5779.5	5779.5	5779.5	5779.5
2.5°	5780.8	5771.5	5768.8	5766.2	5771.5
5°	5763.5	5750.2	5737.0	5733.0	5737.0
7.5°	5714.4	5701.1	5678.5	5673.2	5677.2
10°	5622.8	5610.8	5589.6	5577.6	5572.3
12.5°	5502.0	5482.0	5462.1	5448.9	5435.6
15°	5336.0	5326.7	5310.8	5289.5	5274.9
17.5°	5106.3	5119.6	5128.9	5086.4	5047.9
20°	4807.6	4856.7	4912.5	4826.2	4754.5
22.5°	4341.6	4482.3	4624.4	4461.1	4301.7
25°	3728.2	3945.9	4261.9	3952.5	3679.0
27.5°	3012.5	3288.7	3786.6	3290.0	2972.7
30°	2351.3	2635.5	3193.1	2598.3	2295.6
32.5°	1805.7	2018.1	2494.7	1986.2	1767.2
35°	1390.1	1516.2	1813.6	1520.2	1364.9
37.5°	1080.7	1144.5	1220.2	1121.9	1048.9
40°	848.4	851.1	786.0	837.8	815.2
42.5°	629.3	626.7	483.3	610.7	614.7
45°	377.1	439.5	289.4	427.5	355.8
47.5°	179.2	248.3	173.9	235.0	166.0
50°	86.3	119.5	104.9	111.5	81.0
52.5°	58.4	61.1	59.7	58.4	55.8
55°	42.5	42.5	38.5	41.2	41.2
57.5°	31.9	31.9	27.9	30.5	30.5
60°	25.2	23.9	21.2	23.9	23.9
62.5°	18.6	18.6	15.9	18.6	18.6
65°	14.6	14.6	13.3	14.6	14.6
67.5°	11.9	11.9	9.3	11.9	10.6
70°	9.3	9.3	8.0	9.3	9.3
72.5°	6.6	6.6	6.6	6.6	6.6
75°	5.3	5.3	5.3	5.3	5.3
77.5°	4.0	4.0	4.0	4.0	4.0
80°	2.7	2.7	4.0	4.0	4.0
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.3	2.7	2.7	2.7	2.7
87.5°	1.3	1.3	2.7	2.7	2.7
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)