

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: **LD4C30D010 EX4C309027 4LCSQWH**

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 (G1-2105-247-14)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30D010 EX4C309027 4LCSQWH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

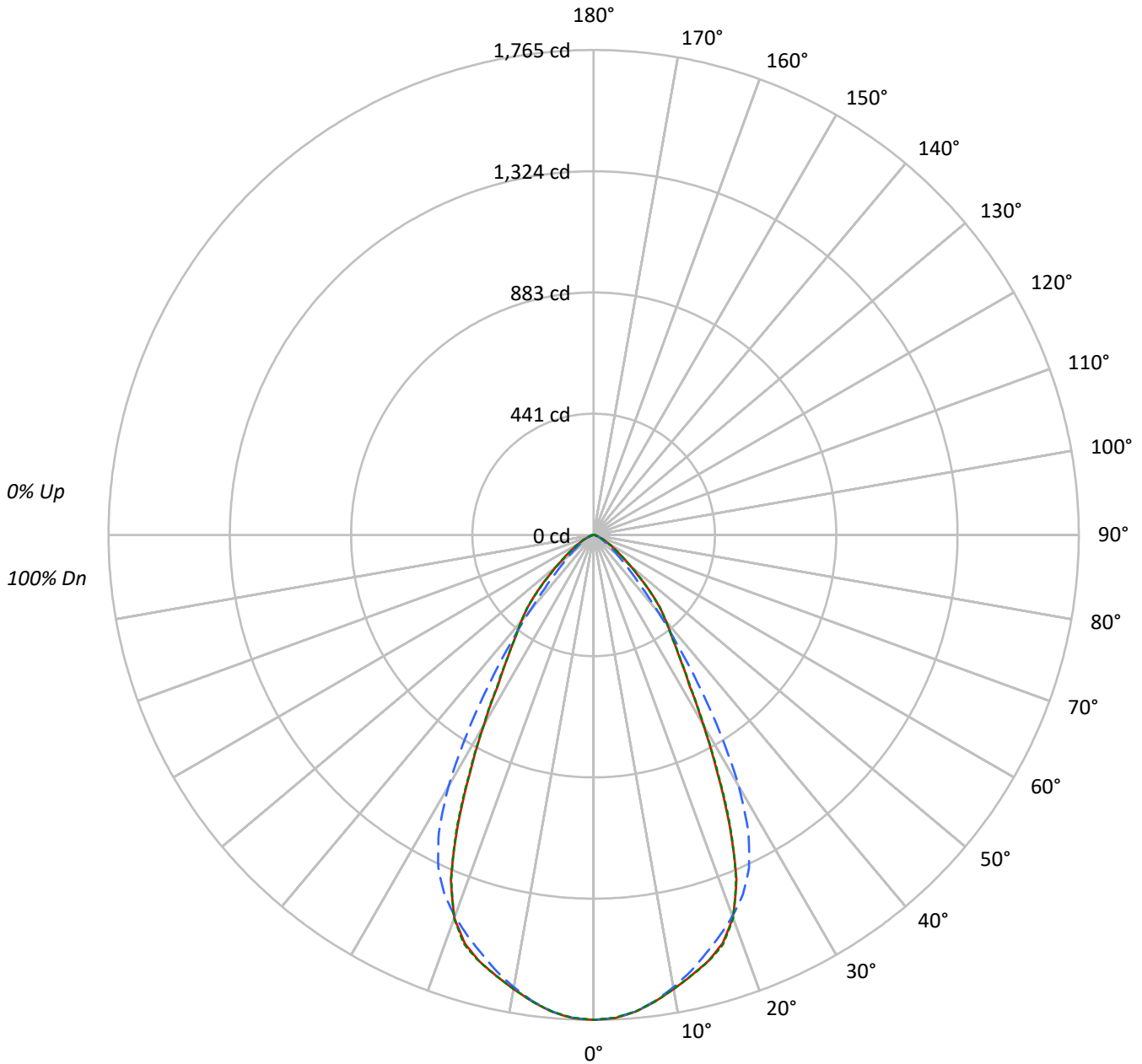
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1868.0 lumens
Efficiency: N/A
Efficacy: 59.1 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): 31.6
Input Voltage (V):
Input Current (A_{in}): 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°	170293	170293	170293
5°	168735	168629	168677
10°	164416	163759	164416
15°	160458	157561	160627
20°	152133	151558	152420
25°	124797	142395	125446
30°	88988	117633	89110
35°	64184	77954	64385
40°	51454	45282	51454
45°	39272	26432	38958
50°	25894	16872	25819
55°	17411	11321	17226
60°	11714	7738	11810
65°	8014	5457	7877
70°	5332	3921	5332
75°	3542	2908	3542
80°	2500	2167	2500
85°	1882	1882	1882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.1	8.8
10°-20°	447.4	23.9
20°-30°	559.3	29.9
30°-40°	376.2	20.1
40°-50°	198.7	10.6
50°-60°	80.7	4.3
60°-70°	29.9	1.6
70°-80°	9.7	0.5
80°-90°	2.1	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°	1170.7	62.7
0°-40°	1546.9	82.8
0°-60°	1826.3	97.8
0°-90°	1868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1765	1765	1765	1765	1765	
5°	1742	1740	1741	1741	1742	164
15°	1606	1593	1577	1592	1608	450
25°	1172	1238	1338	1240	1178	528
35°	545	572	662	573	547	351
45°	288	273	194	272	286	221
55°	104	87	67	87	102	96
65°	35	28	24	28	34	36
75°	10	8	8	8	10	11
85°	2	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°	1764.9	1764.9	1764.9	1764.9	1764.9
2.5°	1760.5	1759.3	1758.8	1758.8	1759.3
5°	1742.1	1740.4	1741.0	1741.0	1741.5
7.5°	1712.6	1712.0	1710.4	1712.6	1712.6
10°	1678.1	1675.3	1671.4	1675.9	1678.1
12.5°	1642.5	1634.1	1627.4	1634.1	1642.5
15°	1606.3	1592.9	1577.3	1592.4	1608.0
17.5°	1559.0	1545.6	1528.4	1548.4	1563.4
20°	1481.6	1482.7	1476.0	1481.6	1484.4
22.5°	1357.5	1382.5	1417.6	1383.1	1353.6
25°	1172.2	1237.8	1337.5	1240.1	1178.3
27.5°	973.5	1056.9	1220.0	1062.0	979.6
30°	798.7	872.7	1055.8	877.7	799.8
32.5°	646.7	701.8	858.2	708.5	654.0
35°	544.9	572.2	661.8	573.3	546.6
37.5°	467.0	467.0	491.5	469.2	464.7
40°	408.5	390.7	359.5	390.2	408.5
42.5°	354.0	327.3	261.0	326.2	355.1
45°	287.8	273.3	193.7	272.2	285.5
47.5°	221.0	210.9	145.8	209.8	222.6
50°	172.5	157.0	112.4	155.8	172.0
52.5°	132.5	115.8	86.8	115.8	131.4
55°	103.5	86.8	67.3	86.8	102.4
57.5°	79.6	66.2	51.2	65.1	79.0
60°	60.7	49.5	40.1	49.5	61.2
62.5°	46.2	37.8	30.6	37.3	45.6
65°	35.1	28.4	23.9	28.4	34.5
67.5°	25.6	21.1	18.4	21.1	26.2
70°	18.9	16.1	13.9	15.6	18.9
72.5°	13.9	11.7	10.6	11.7	13.9
75°	9.5	8.3	7.8	8.3	9.5
77.5°	6.7	6.1	5.6	6.1	6.7
80°	4.5	3.9	3.9	4.5	4.5
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.7	1.7	1.7	1.7	1.7
87.5°	1.1	1.1	1.1	1.1	1.1
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)