

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 EX4C309040 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 EX4C309040 4LCSQWH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

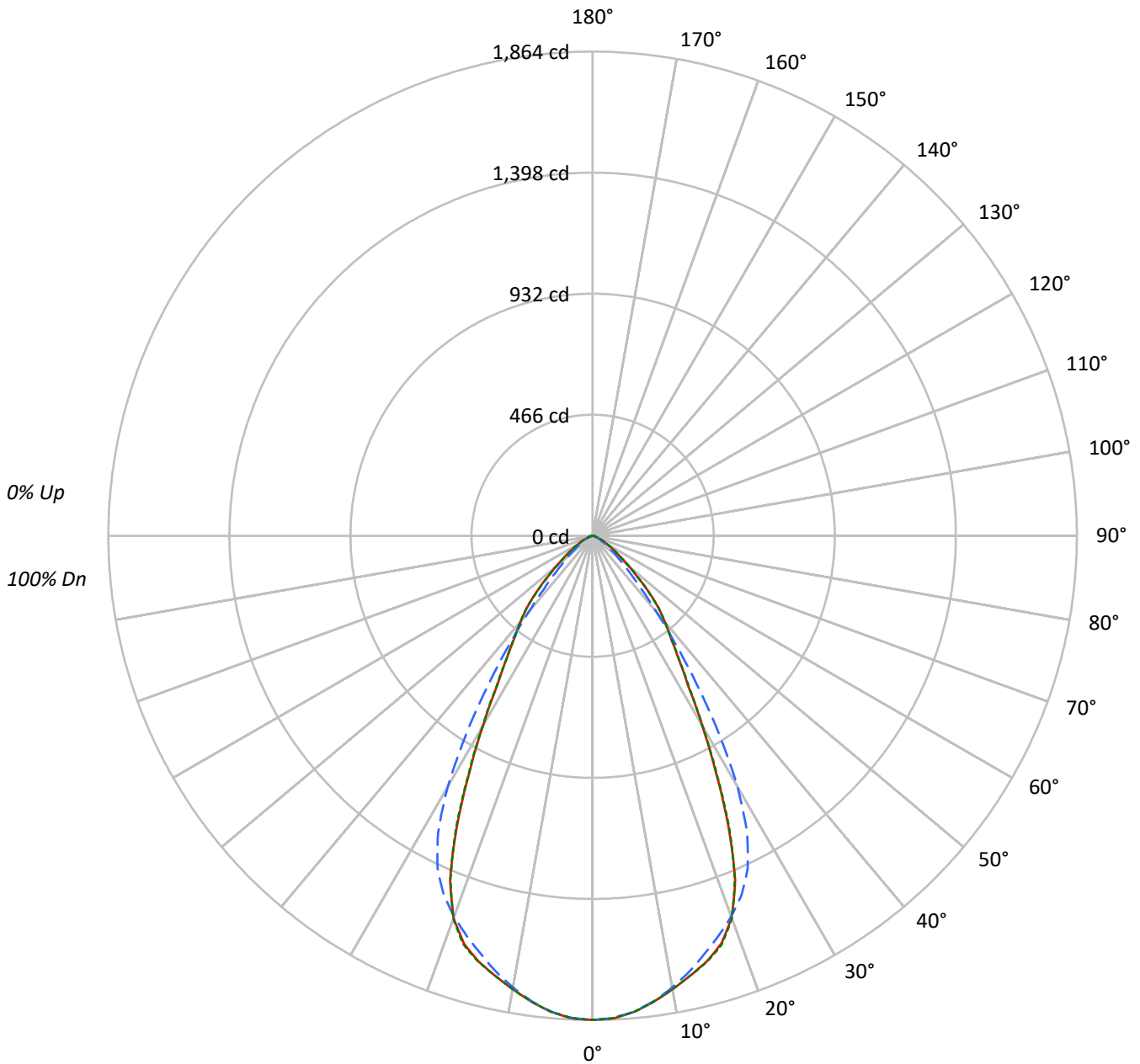
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1973.0 lumens
Efficiency: N/A
Efficacy: 62.4 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

TEST NUMBER: P#
CATALOG NUMBER: LD4C30D010 EX4C309040 4LCSQWH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	179865	179865	179865
5°	178218	178102	178160
10°	173655	172969	173655
15°	169478	166421	169648
20°	160686	160080	160984
25°	131802	150391	132494
30°	93990	124251	94124
35°	67789	82336	68001
40°	54351	47839	54351
45°	41469	27919	41155
50°	27350	17818	27260
55°	18387	11961	18202
60°	12370	8163	12486
65°	8448	5776	8311
70°	5642	4147	5642
75°	3728	3057	3728
80°	2612	2278	2612
85°	1993	1993	1993



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	8.8
10°-20°	472.5	23.9
20°-30°	590.7	29.9
30°-40°	397.4	20.1
40°-50°	209.8	10.6
50°-60°	85.3	4.3
60°-70°	31.6	1.6
70°-80°	10.2	0.5
80°-90°	2.2	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°	1236.5	62.7
0°-40°	1633.9	82.8
0°-60°	1929.0	97.8
0°-90°	1973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1864	1864	1864	1864	1864	
5°	1840	1838	1839	1839	1839	173
15°	1697	1682	1666	1682	1698	475
25°	1238	1307	1413	1310	1244	557
35°	576	604	699	606	577	370
45°	304	289	205	288	302	233
55°	109	92	71	92	108	101
65°	37	30	25	30	36	38
75°	10	9	8	9	10	12
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°	1864.1	1864.1	1864.1	1864.1	1864.1
2.5°	1859.4	1858.2	1857.6	1857.6	1858.2
5°	1840.0	1838.2	1838.8	1838.8	1839.4
7.5°	1808.9	1808.3	1806.5	1808.9	1808.9
10°	1772.4	1769.5	1765.4	1770.1	1772.4
12.5°	1734.8	1726.0	1718.9	1726.0	1734.8
15°	1696.6	1682.5	1666.0	1681.9	1698.3
17.5°	1646.6	1632.5	1614.3	1635.4	1651.3
20°	1564.9	1566.1	1559.0	1564.9	1567.8
22.5°	1433.8	1460.3	1497.3	1460.8	1429.7
25°	1238.0	1307.4	1412.6	1309.8	1244.5
27.5°	1028.2	1116.4	1288.6	1121.6	1034.6
30°	843.6	921.8	1115.2	927.1	844.8
32.5°	683.1	741.3	906.5	748.3	690.7
35°	575.5	604.3	699.0	605.5	577.3
37.5°	493.2	493.2	519.1	495.6	490.9
40°	431.5	412.7	379.8	412.1	431.5
42.5°	373.9	345.7	275.7	344.5	375.1
45°	303.9	288.6	204.6	287.5	301.6
47.5°	233.4	222.8	154.0	221.6	235.1
50°	182.2	165.8	118.7	164.6	181.6
52.5°	139.9	122.3	91.7	122.3	138.7
55°	109.3	91.7	71.1	91.7	108.2
57.5°	84.1	70.0	54.1	68.8	83.5
60°	64.1	52.3	42.3	52.3	64.7
62.5°	48.8	40.0	32.3	39.4	48.2
65°	37.0	30.0	25.3	30.0	36.4
67.5°	27.0	22.3	19.4	22.3	27.6
70°	20.0	17.0	14.7	16.5	20.0
72.5°	14.7	12.3	11.2	12.3	14.7
75°	10.0	8.8	8.2	8.8	10.0
77.5°	7.1	6.5	5.9	6.5	7.1
80°	4.7	4.1	4.1	4.7	4.7
82.5°	2.9	2.9	2.9	2.9	2.9
85°	1.8	1.8	1.8	1.8	1.8
87.5°	1.2	1.2	1.2	1.2	1.2
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)