

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 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: LD4C30D010 EX4C309027 4LCSQWLI
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

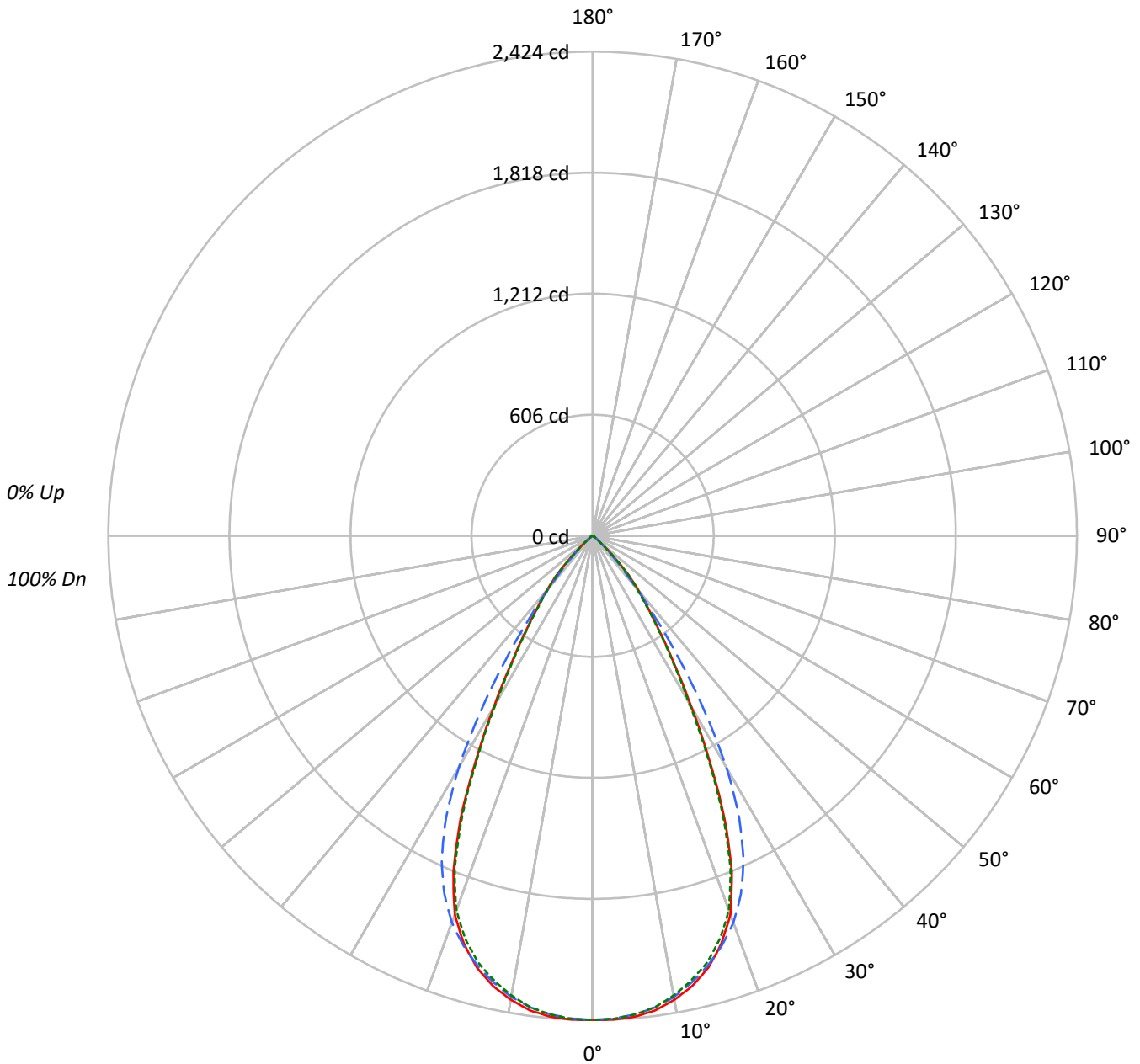
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2170.0 lumens
Efficiency: N/A
Efficacy: 68.7 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): 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																			
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°	233879	233879	233879
5°	234124	233049	233049
10°	231050	229688	228983
15°	223550	222501	220993
20°	207036	211554	204747
25°	166467	190304	164274
30°	109878	149208	107271
35°	68672	89592	67424
40°	44816	41528	43065
45°	21574	16566	20359
50°	5434	6605	5104
55°	2994	2708	2910
60°	2046	1718	1930
65°	1393	1279	1393
70°	1100	931	1100
75°	820	820	820
80°	611	945	945
85°	664	1218	1218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	10.5
10°-20°	622.5	28.7
20°-30°	741.9	34.2
30°-40°	420.1	19.4
40°-50°	129.9	6.0
50°-60°	18.0	0.8
60°-70°	6.2	0.3
70°-80°	2.5	0.1
80°-90°	1.0	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°	1592.4	73.4
0°-40°	2012.4	92.7
0°-60°	2160.4	99.6
0°-90°	2170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2170.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2424	2424	2424	2424	2424	
5°	2417	2412	2406	2404	2406	229
15°	2238	2234	2227	2218	2212	624
25°	1564	1655	1788	1658	1543	697
35°	583	636	761	638	572	379
45°	158	184	121	179	149	131
55°	18	18	16	17	17	18
65°	6	6	6	6	6	6
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2423.9	2423.9	2423.9	2423.9	2423.9
2.5°	2424.5	2420.6	2419.5	2418.4	2420.6
5°	2417.2	2411.7	2406.1	2404.4	2406.1
7.5°	2396.6	2391.1	2381.6	2379.4	2381.1
10°	2358.2	2353.2	2344.3	2339.3	2337.1
12.5°	2307.6	2299.2	2290.8	2285.3	2279.7
15°	2237.9	2234.0	2227.4	2218.5	2212.3
17.5°	2141.6	2147.2	2151.1	2133.3	2117.1
20°	2016.3	2036.9	2060.3	2024.1	1994.0
22.5°	1820.9	1879.9	1939.5	1871.0	1804.2
25°	1563.6	1654.9	1787.5	1657.7	1543.0
27.5°	1263.5	1379.3	1588.1	1379.9	1246.8
30°	986.2	1105.3	1339.2	1089.7	962.8
32.5°	757.3	846.4	1046.3	833.0	741.2
35°	583.0	635.9	760.6	637.6	572.4
37.5°	453.3	480.0	511.7	470.5	439.9
40°	355.8	356.9	329.7	351.4	341.9
42.5°	263.9	262.8	202.7	256.1	257.8
45°	158.1	184.3	121.4	179.3	149.2
47.5°	75.2	104.1	72.9	98.6	69.6
50°	36.2	50.1	44.0	46.8	34.0
52.5°	24.5	25.6	25.1	24.5	23.4
55°	17.8	17.8	16.1	17.3	17.3
57.5°	13.4	13.4	11.7	12.8	12.8
60°	10.6	10.0	8.9	10.0	10.0
62.5°	7.8	7.8	6.7	7.8	7.8
65°	6.1	6.1	5.6	6.1	6.1
67.5°	5.0	5.0	3.9	5.0	4.5
70°	3.9	3.9	3.3	3.9	3.9
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.1	1.1	1.7	1.7	1.7
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.6	1.1	1.1	1.1	1.1
87.5°	0.6	0.6	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)