

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: **LD4C25D010 EX4C259030 4LCSQWLI**

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 (G1-2105-247-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C25D010 EX4C259030 4LCSQWLI  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

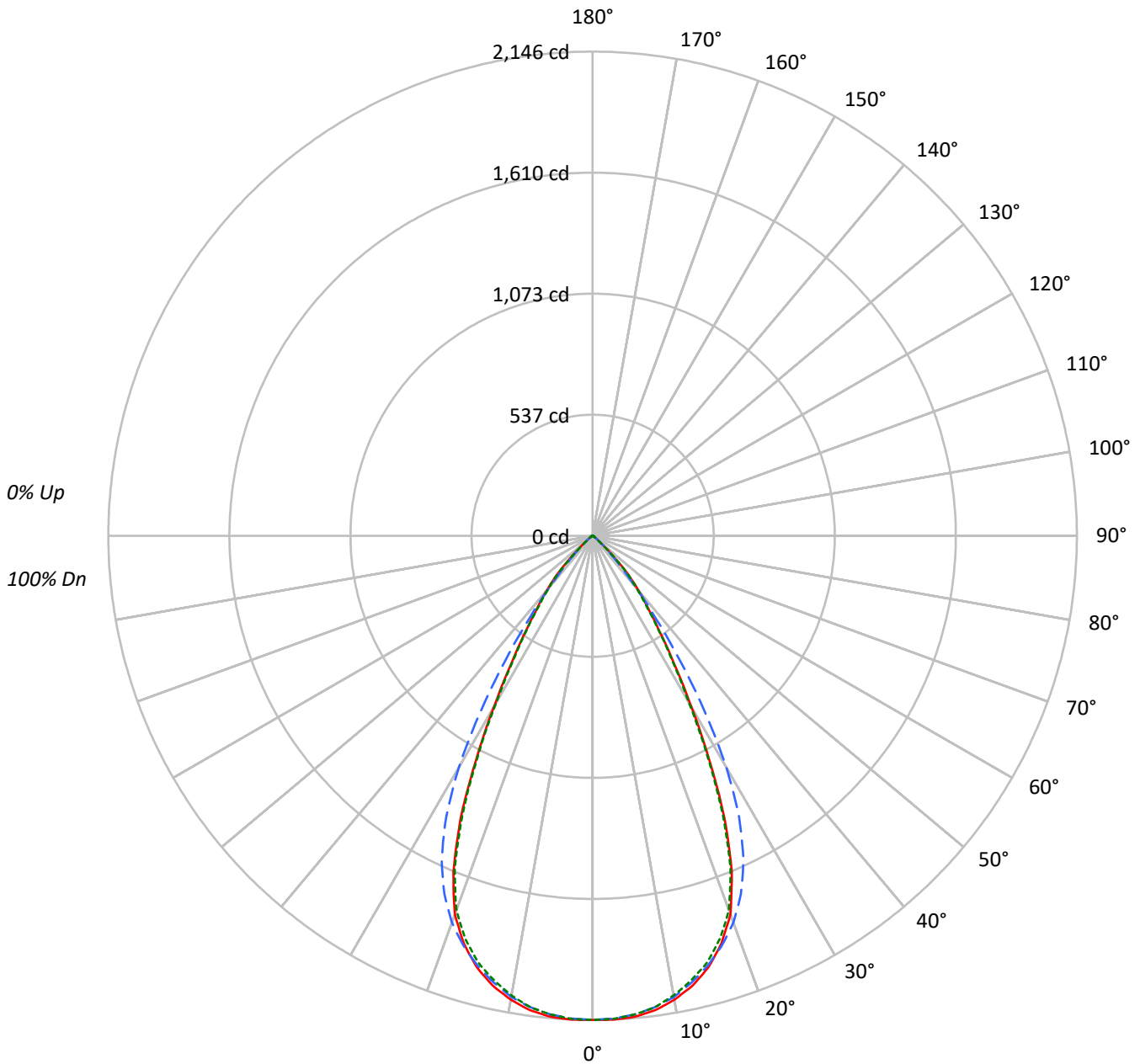
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1921.0 lumens  
Efficiency: N/A  
Efficacy: 61.0 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): 31.5  
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																			
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°	207046	207046	207046
5°	207265	206306	206306
10°	204538	203332	202705
15°	197897	196968	195640
20°	183286	187280	181253
25°	147367	168468	145429
30°	97266	132083	94960
35°	60792	79321	59685
40°	39677	36754	38127
45°	19104	14669	18026
50°	4804	5839	4518
55°	2658	2406	2574
60°	1814	1525	1718
65°	1233	1119	1233
70°	987	846	987
75°	746	746	746
80°	556	833	833
85°	554	1107	1107



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.8	10.5
10°-20°	551.1	28.7
20°-30°	656.7	34.2
30°-40°	371.9	19.4
40°-50°	115.0	6.0
50°-60°	16.0	0.8
60°-70°	5.4	0.3
70°-80°	2.2	0.1
80°-90°	0.9	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°	1409.6	73.4
0°-40°	1781.5	92.7
0°-60°	1912.5	99.6
0°-90°	1921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1921.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2146	2146	2146	2146	2146	
5°	2140	2135	2130	2128	2130	203
15°	1981	1978	1972	1964	1958	552
25°	1384	1465	1582	1468	1366	617
35°	516	563	673	564	507	336
45°	140	163	108	159	132	116
55°	16	16	14	15	15	16
65°	5	5	5	5	5	6
75°	2	2	2	2	2	2
85°	0	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°	2145.8	2145.8	2145.8	2145.8	2145.8
2.5°	2146.3	2142.8	2141.8	2140.9	2142.8
5°	2139.9	2134.9	2130.0	2128.5	2130.0
7.5°	2121.6	2116.7	2108.3	2106.4	2107.8
10°	2087.6	2083.2	2075.3	2070.9	2068.9
12.5°	2042.8	2035.4	2028.0	2023.0	2018.1
15°	1981.1	1977.7	1971.8	1963.9	1958.5
17.5°	1895.9	1900.8	1904.2	1888.5	1874.2
20°	1785.0	1803.2	1823.9	1791.9	1765.2
22.5°	1611.9	1664.2	1716.9	1656.3	1597.1
25°	1384.2	1465.0	1582.4	1467.5	1366.0
27.5°	1118.5	1221.0	1405.9	1221.5	1103.7
30°	873.0	978.5	1185.5	964.7	852.3
32.5°	670.4	749.3	926.2	737.4	656.1
35°	516.1	562.9	673.4	564.4	506.7
37.5°	401.3	424.9	453.0	416.5	389.4
40°	315.0	316.0	291.8	311.0	302.7
42.5°	233.7	232.7	179.4	226.8	228.2
45°	140.0	163.2	107.5	158.7	132.1
47.5°	66.5	92.2	64.6	87.3	61.6
50°	32.0	44.4	38.9	41.4	30.1
52.5°	21.7	22.7	22.2	21.7	20.7
55°	15.8	15.8	14.3	15.3	15.3
57.5°	11.8	11.8	10.4	11.3	11.3
60°	9.4	8.9	7.9	8.9	8.9
62.5°	6.9	6.9	5.9	6.9	6.9
65°	5.4	5.4	4.9	5.4	5.4
67.5°	4.4	4.4	3.5	4.4	3.9
70°	3.5	3.5	3.0	3.5	3.5
72.5°	2.5	2.5	2.5	2.5	2.5
75°	2.0	2.0	2.0	2.0	2.0
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.5	1.5	1.5
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	1.0	1.0	1.0
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)