

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 EX4C259040 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 EX4C259040 4LCSQWLI  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

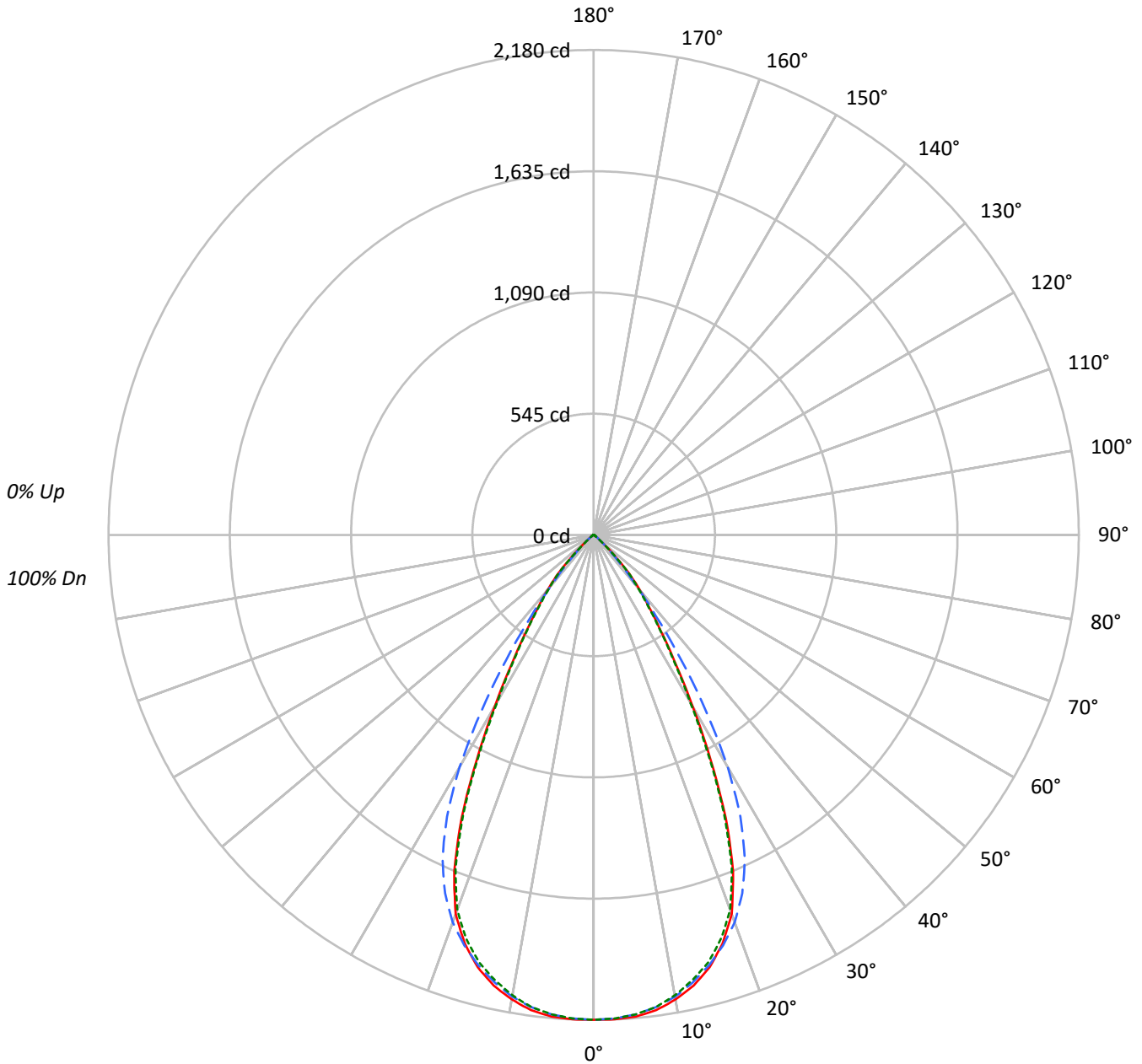
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1951.0 lumens  
Efficiency: N/A  
Efficacy: 61.9 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°	210278	210278	210278
5°	210500	209532	209532
10°	207732	206507	205870
15°	200994	200045	198696
20°	186141	190207	184087
25°	149667	171098	147697
30°	98781	134145	96441
35°	61746	80557	60627
40°	40294	37334	38719
45°	19404	14887	18312
50°	4879	5944	4578
55°	2692	2439	2607
60°	1833	1544	1737
65°	1256	1142	1256
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°	205.0	10.5
10°-20°	559.7	28.7
20°-30°	667.0	34.2
30°-40°	377.7	19.4
40°-50°	116.8	6.0
50°-60°	16.2	0.8
60°-70°	5.5	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°	1431.7	73.4
0°-40°	1809.4	92.7
0°-60°	1942.3	99.6
0°-90°	1951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2179	2179	2179	2179	2179	
5°	2173	2168	2163	2162	2163	206
15°	2012	2009	2003	1995	1989	561
25°	1406	1488	1607	1490	1387	627
35°	524	572	684	573	515	341
45°	142	166	109	161	134	117
55°	16	16	14	16	16	16
65°	6	6	5	6	6	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°	2179.3	2179.3	2179.3	2179.3	2179.3
2.5°	2179.8	2176.3	2175.3	2174.3	2176.3
5°	2173.3	2168.3	2163.3	2161.8	2163.3
7.5°	2154.8	2149.8	2141.3	2139.3	2140.8
10°	2120.2	2115.7	2107.7	2103.2	2101.2
12.5°	2074.7	2067.2	2059.6	2054.6	2049.6
15°	2012.1	2008.6	2002.6	1994.6	1989.1
17.5°	1925.5	1930.5	1934.0	1918.0	1903.4
20°	1812.8	1831.4	1852.4	1819.8	1792.8
22.5°	1637.1	1690.2	1743.7	1682.2	1622.1
25°	1405.8	1487.9	1607.1	1490.4	1387.3
27.5°	1136.0	1240.1	1427.8	1240.6	1120.9
30°	886.6	993.8	1204.0	979.8	865.6
32.5°	680.9	761.0	940.7	749.0	666.4
35°	524.2	571.7	683.9	573.2	514.7
37.5°	407.5	431.6	460.1	423.0	395.5
40°	319.9	320.9	296.4	315.9	307.4
42.5°	237.3	236.3	182.2	230.3	231.8
45°	142.2	165.7	109.1	161.2	134.2
47.5°	67.6	93.6	65.6	88.6	62.6
50°	32.5	45.1	39.6	42.1	30.5
52.5°	22.0	23.0	22.5	22.0	21.0
55°	16.0	16.0	14.5	15.5	15.5
57.5°	12.0	12.0	10.5	11.5	11.5
60°	9.5	9.0	8.0	9.0	9.0
62.5°	7.0	7.0	6.0	7.0	7.0
65°	5.5	5.5	5.0	5.5	5.5
67.5°	4.5	4.5	3.5	4.5	4.0
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)