

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 EX4C259035 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 EX4C259035 4LCSQWLI
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

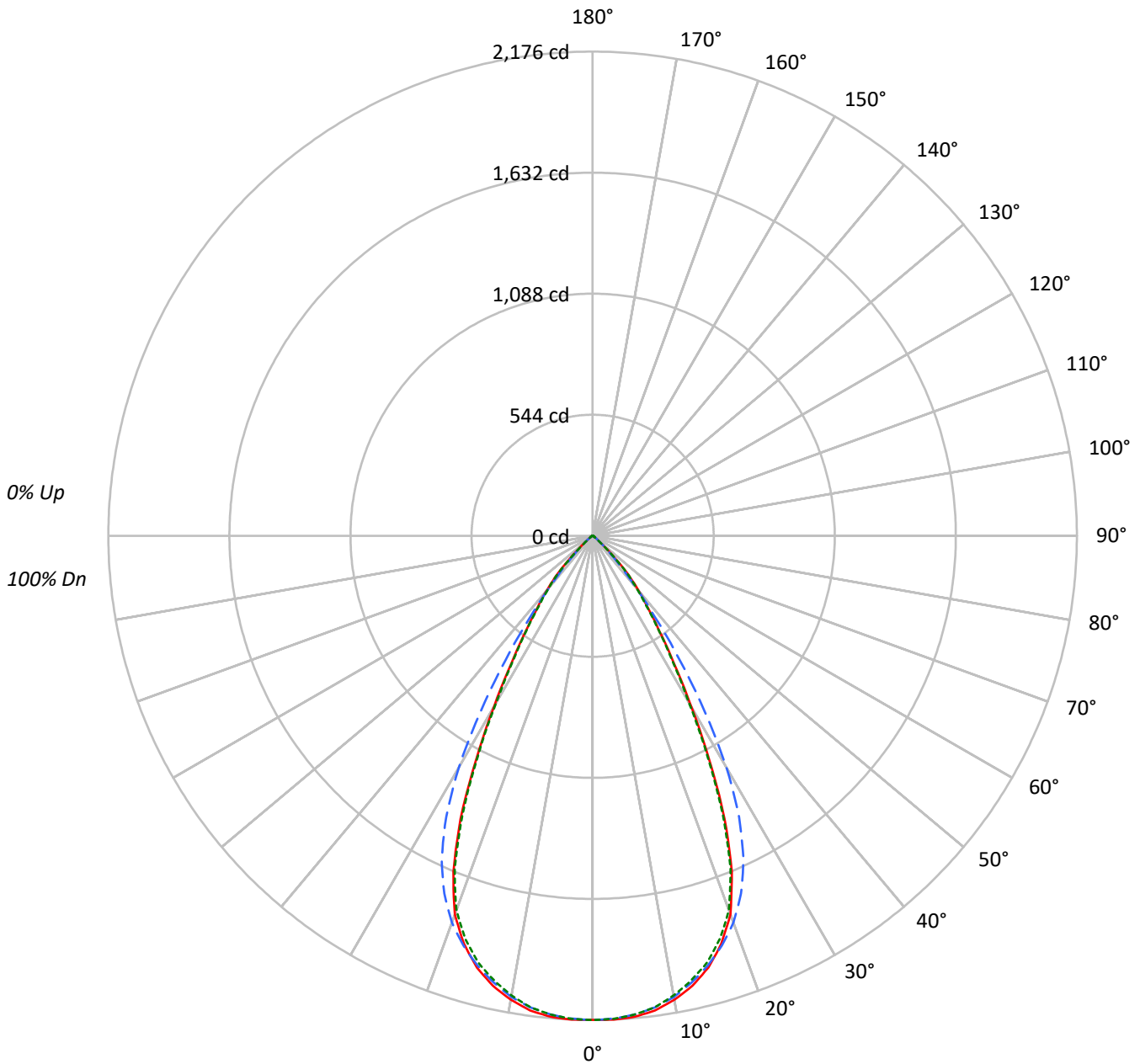
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1948.0 lumens
Efficiency: N/A
Efficacy: 61.8 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°	209960	209960	209960
5°	210181	209212	209212
10°	207418	206193	205557
15°	200684	199735	198387
20°	185853	189909	183800
25°	149432	170832	147474
30°	98636	133944	96297
35°	61652	80428	60533
40°	40231	37271	38656
45°	19377	14874	18285
50°	4879	5929	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°	204.6	10.5
10°-20°	558.8	28.7
20°-30°	666.0	34.2
30°-40°	377.1	19.4
40°-50°	116.6	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°	1429.5	73.4
0°-40°	1806.6	92.7
0°-60°	1939.4	99.6
0°-90°	1948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2176	2176	2176	2176	2176	
5°	2170	2165	2160	2158	2160	205
15°	2009	2006	2000	1992	1986	560
25°	1404	1486	1605	1488	1385	626
35°	523	571	683	572	514	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°	2176.0	2176.0	2176.0	2176.0	2176.0
2.5°	2176.5	2173.0	2172.0	2171.0	2173.0
5°	2170.0	2165.0	2160.0	2158.5	2160.0
7.5°	2151.5	2146.5	2138.0	2136.0	2137.5
10°	2117.0	2112.5	2104.5	2100.0	2098.0
12.5°	2071.5	2064.0	2056.5	2051.5	2046.5
15°	2009.0	2005.5	1999.5	1991.5	1986.0
17.5°	1922.5	1927.5	1931.0	1915.0	1900.5
20°	1810.0	1828.5	1849.5	1817.0	1790.0
22.5°	1634.6	1687.6	1741.1	1679.6	1619.6
25°	1403.6	1485.6	1604.6	1488.1	1385.2
27.5°	1134.2	1238.2	1425.6	1238.7	1119.2
30°	885.3	992.3	1202.2	978.3	864.3
32.5°	679.8	759.8	939.3	747.8	665.3
35°	523.4	570.9	682.8	572.4	513.9
37.5°	406.9	430.9	459.4	422.4	394.9
40°	319.4	320.4	295.9	315.4	306.9
42.5°	236.9	235.9	182.0	229.9	231.4
45°	142.0	165.5	109.0	161.0	134.0
47.5°	67.5	93.5	65.5	88.5	62.5
50°	32.5	45.0	39.5	42.0	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)