

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



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: -

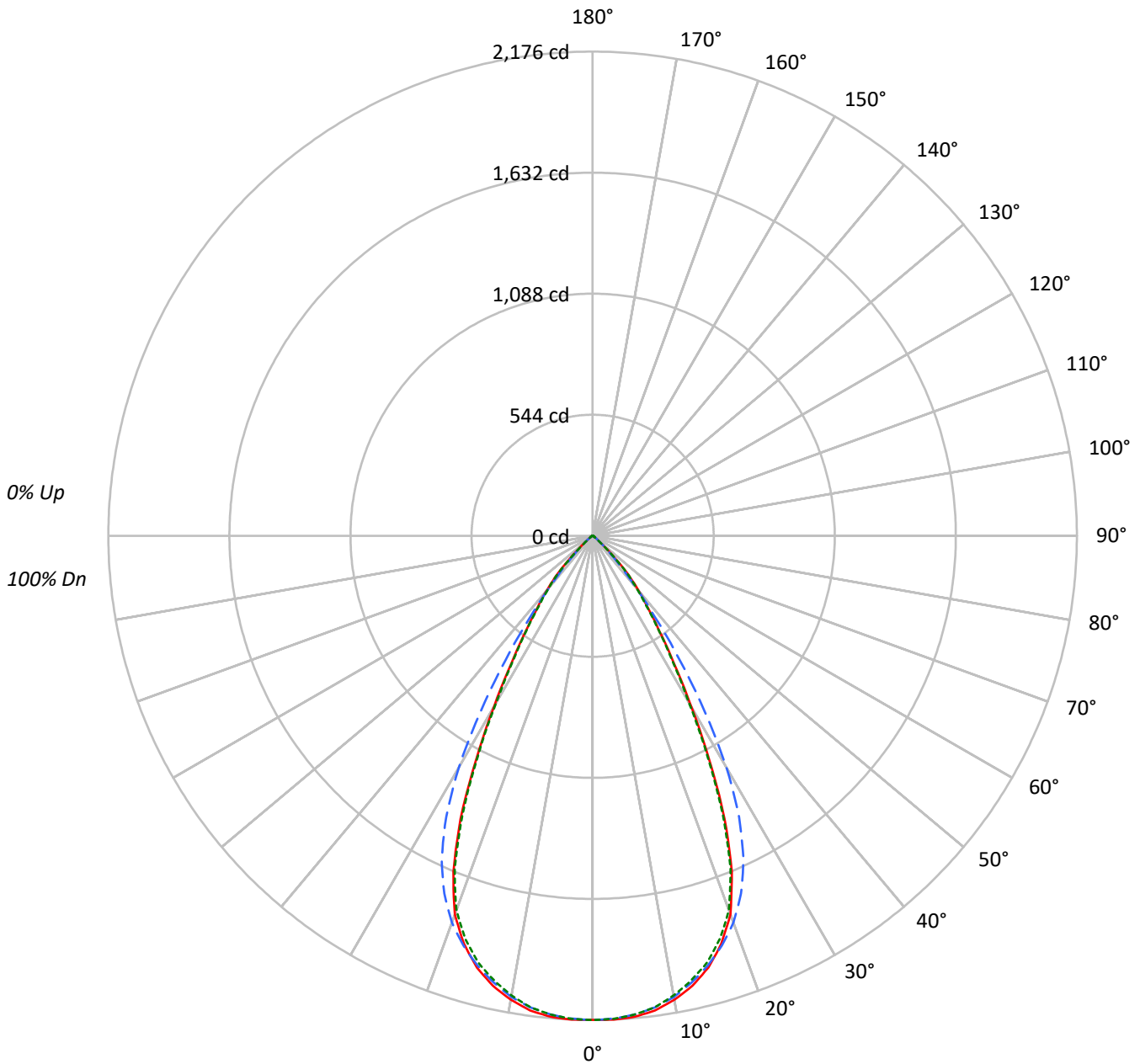
Summary

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 (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°	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)