

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: **LD4C35D010 EX4C359035 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: LD4C35D010 EX4C359035 4LCSQWLI
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

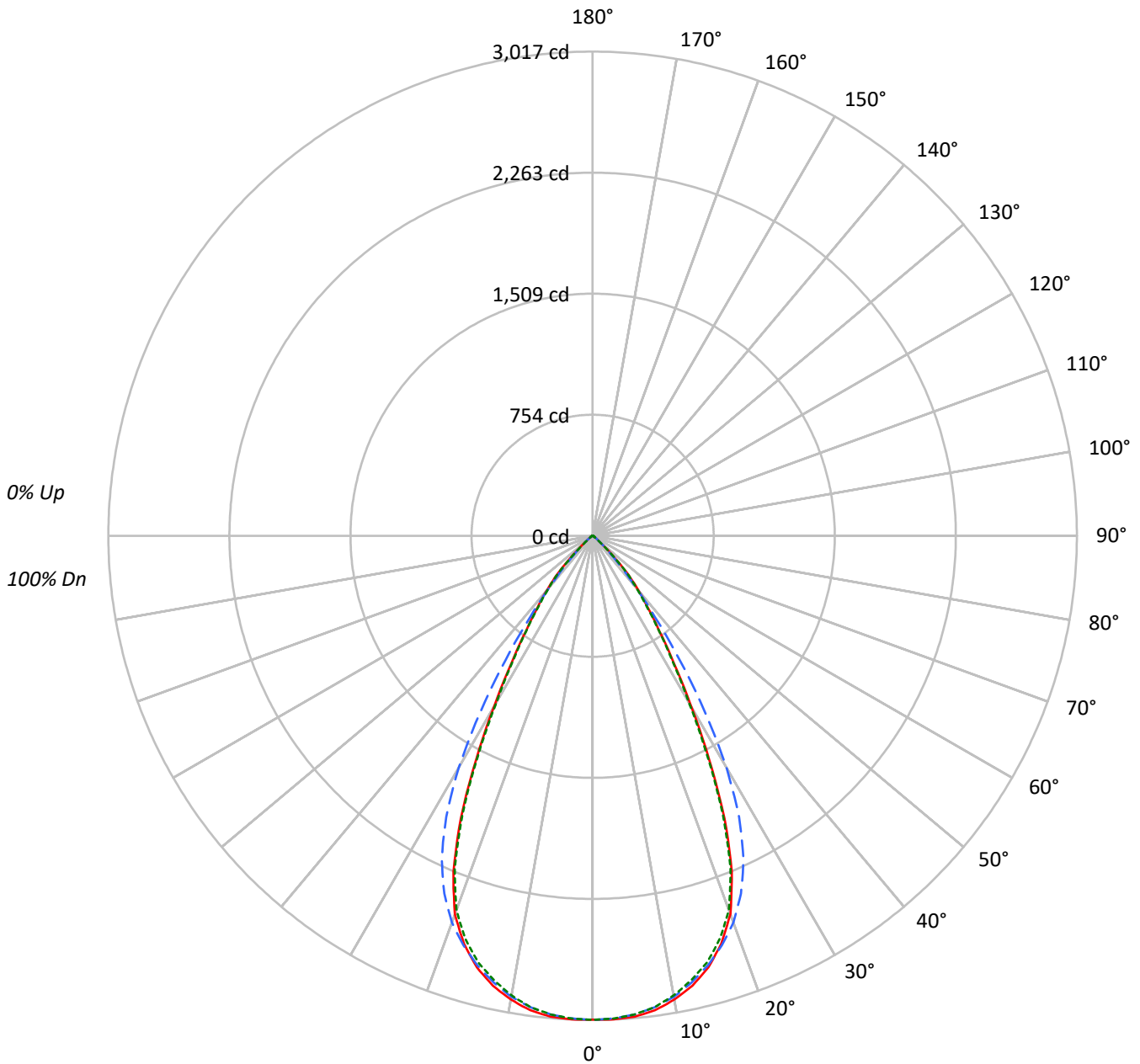
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2700.0 lumens
Efficiency: N/A
Efficacy: 66.8 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): 40.4
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°	291001	291001	291001
5°	291309	289972	289972
10°	287485	285790	284908
15°	278151	276843	274975
20°	257607	263224	254763
25°	207125	236775	204400
30°	136707	185652	133465
35°	85446	111478	83891
40°	55761	51668	53582
45°	26855	20605	25340
50°	6755	8211	6350
55°	3735	3381	3617
60°	2547	2142	2412
65°	1735	1575	1735
70°	1354	1185	1354
75°	1044	1044	1044
80°	778	1167	1167
85°	775	1550	1550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	10.5
10°-20°	774.6	28.7
20°-30°	923.1	34.2
30°-40°	522.7	19.4
40°-50°	161.6	6.0
50°-60°	22.5	0.8
60°-70°	7.6	0.3
70°-80°	3.1	0.1
80°-90°	1.3	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°	1981.3	73.4
0°-40°	2504.0	92.7
0°-60°	2688.0	99.6
0°-90°	2700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3016	3016	3016	3016	3016	
5°	3008	3001	2994	2992	2994	285
15°	2784	2780	2771	2760	2753	776
25°	1946	2059	2224	2063	1920	867
35°	725	791	946	793	712	472
45°	197	229	151	223	186	162
55°	22	22	20	22	22	22
65°	8	8	7	8	8	8
75°	3	3	3	3	3	3
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°	3015.9	3015.9	3015.9	3015.9	3015.9
2.5°	3016.6	3011.8	3010.4	3009.0	3011.8
5°	3007.6	3000.7	2993.8	2991.7	2993.8
7.5°	2982.0	2975.1	2963.3	2960.5	2962.6
10°	2934.2	2928.0	2916.9	2910.6	2907.9
12.5°	2871.1	2860.8	2850.4	2843.4	2836.5
15°	2784.5	2779.7	2771.4	2760.3	2752.7
17.5°	2664.7	2671.6	2676.5	2654.3	2634.2
20°	2508.8	2534.4	2563.5	2518.5	2481.1
22.5°	2265.6	2339.0	2413.2	2328.0	2244.8
25°	1945.5	2059.1	2224.0	2062.6	1919.9
27.5°	1572.1	1716.2	1976.0	1716.9	1551.3
30°	1227.0	1375.3	1666.3	1355.9	1197.9
32.5°	942.3	1053.1	1301.9	1036.5	922.2
35°	725.4	791.2	946.4	793.3	712.2
37.5°	564.0	597.2	636.7	585.5	547.3
40°	442.7	444.1	410.2	437.2	425.4
42.5°	328.4	327.0	252.2	318.7	320.8
45°	196.8	229.3	151.0	223.1	185.7
47.5°	93.5	129.6	90.8	122.6	86.6
50°	45.0	62.4	54.7	58.2	42.3
52.5°	30.5	31.9	31.2	30.5	29.1
55°	22.2	22.2	20.1	21.5	21.5
57.5°	16.6	16.6	14.5	15.9	15.9
60°	13.2	12.5	11.1	12.5	12.5
62.5°	9.7	9.7	8.3	9.7	9.7
65°	7.6	7.6	6.9	7.6	7.6
67.5°	6.2	6.2	4.8	6.2	5.5
70°	4.8	4.8	4.2	4.8	4.8
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.4	1.4	2.1	2.1	2.1
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	1.4	1.4	1.4
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)