

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: **LD4C65D010 EX4C659040 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: LD4C65D010 EX4C659040 4LCSQWLI
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

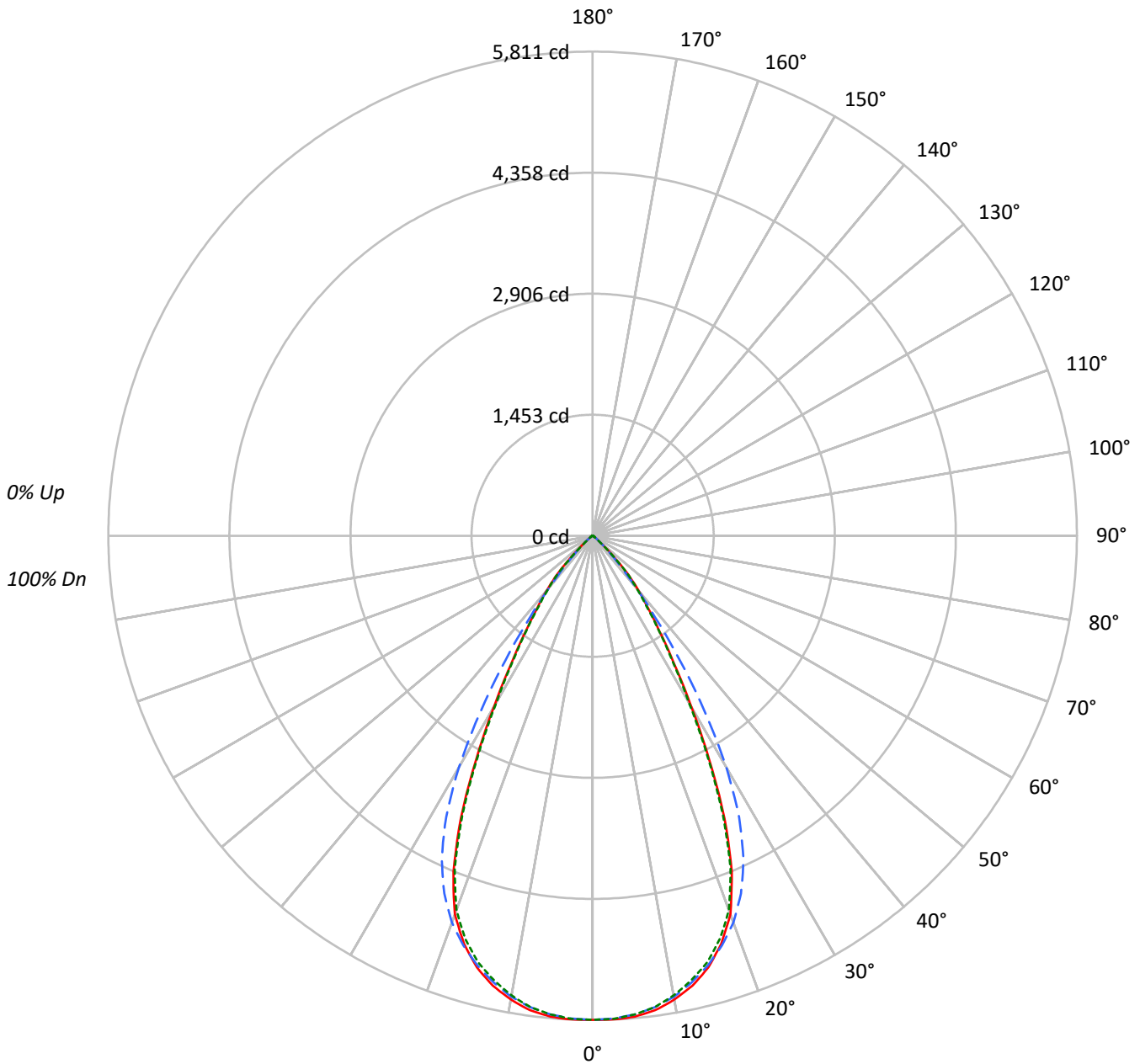
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5201.0 lumens
Efficiency: N/A
Efficacy: 71.8 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): 72.4
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°	560562	560562	560562
5°	561153	558567	558567
10°	553778	550515	548811
15°	535804	533277	529681
20°	496228	507051	490745
25°	398983	456101	393724
30°	263342	357622	257103
35°	164590	214745	161610
40°	107416	99519	103222
45°	51717	39695	48810
50°	13030	15822	12219
55°	7183	6510	6964
60°	4902	4130	4631
65°	3356	3037	3356
70°	2624	2257	2624
75°	1976	1976	1976
80°	1500	2223	2223
85°	1439	2989	2989



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.4	10.5
10°-20°	1492.0	28.7
20°-30°	1778.1	34.2
30°-40°	1006.9	19.4
40°-50°	311.3	6.0
50°-60°	43.2	0.8
60°-70°	14.7	0.3
70°-80°	5.9	0.1
80°-90°	2.5	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°	3816.5	73.4
0°-40°	4823.4	92.7
0°-60°	5177.9	99.6
0°-90°	5201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5201.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5810	5810	5810	5810	5810	
5°	5794	5780	5767	5763	5767	549
15°	5364	5354	5338	5317	5302	1496
25°	3748	3966	4284	3973	3698	1671
35°	1397	1524	1823	1528	1372	909
45°	379	442	291	430	358	313
55°	43	43	39	41	41	42
65°	15	15	13	15	15	15
75°	5	5	5	5	5	6
85°	1	3	3	3	3	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5809.6	5809.6	5809.6	5809.6	5809.6
2.5°	5810.9	5801.6	5798.9	5796.3	5801.6
5°	5793.6	5780.3	5766.9	5762.9	5766.9
7.5°	5744.2	5730.9	5708.2	5702.8	5706.8
10°	5652.1	5640.1	5618.8	5606.8	5601.4
12.5°	5530.7	5510.7	5490.6	5477.3	5463.9
15°	5363.8	5354.5	5338.5	5317.1	5302.5
17.5°	5133.0	5146.3	5155.6	5112.9	5074.2
20°	4832.7	4882.0	4938.1	4851.4	4779.3
22.5°	4364.2	4505.7	4648.5	4484.3	4324.2
25°	3747.6	3966.5	4284.1	3973.2	3698.2
27.5°	3028.3	3305.9	3806.3	3307.2	2988.2
30°	2363.6	2649.2	3209.8	2611.9	2307.6
32.5°	1815.1	2028.6	2507.8	1996.6	1776.4
35°	1397.3	1524.1	1823.1	1528.1	1372.0
37.5°	1086.4	1150.4	1226.5	1127.8	1054.4
40°	852.8	855.5	790.1	842.1	819.5
42.5°	632.6	629.9	485.8	613.9	617.9
45°	379.0	441.8	290.9	429.7	357.7
47.5°	180.2	249.6	174.8	236.2	166.8
50°	86.8	120.1	105.4	112.1	81.4
52.5°	58.7	61.4	60.1	58.7	56.1
55°	42.7	42.7	38.7	41.4	41.4
57.5°	32.0	32.0	28.0	30.7	30.7
60°	25.4	24.0	21.4	24.0	24.0
62.5°	18.7	18.7	16.0	18.7	18.7
65°	14.7	14.7	13.3	14.7	14.7
67.5°	12.0	12.0	9.3	12.0	10.7
70°	9.3	9.3	8.0	9.3	9.3
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.3	5.3	5.3	5.3	5.3
77.5°	4.0	4.0	4.0	4.0	4.0
80°	2.7	2.7	4.0	4.0	4.0
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.3	2.7	2.7	2.7	2.7
87.5°	1.3	1.3	2.7	2.7	2.7
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)