

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 EX4C659035 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 EX4C659035 4LCSQWLI
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

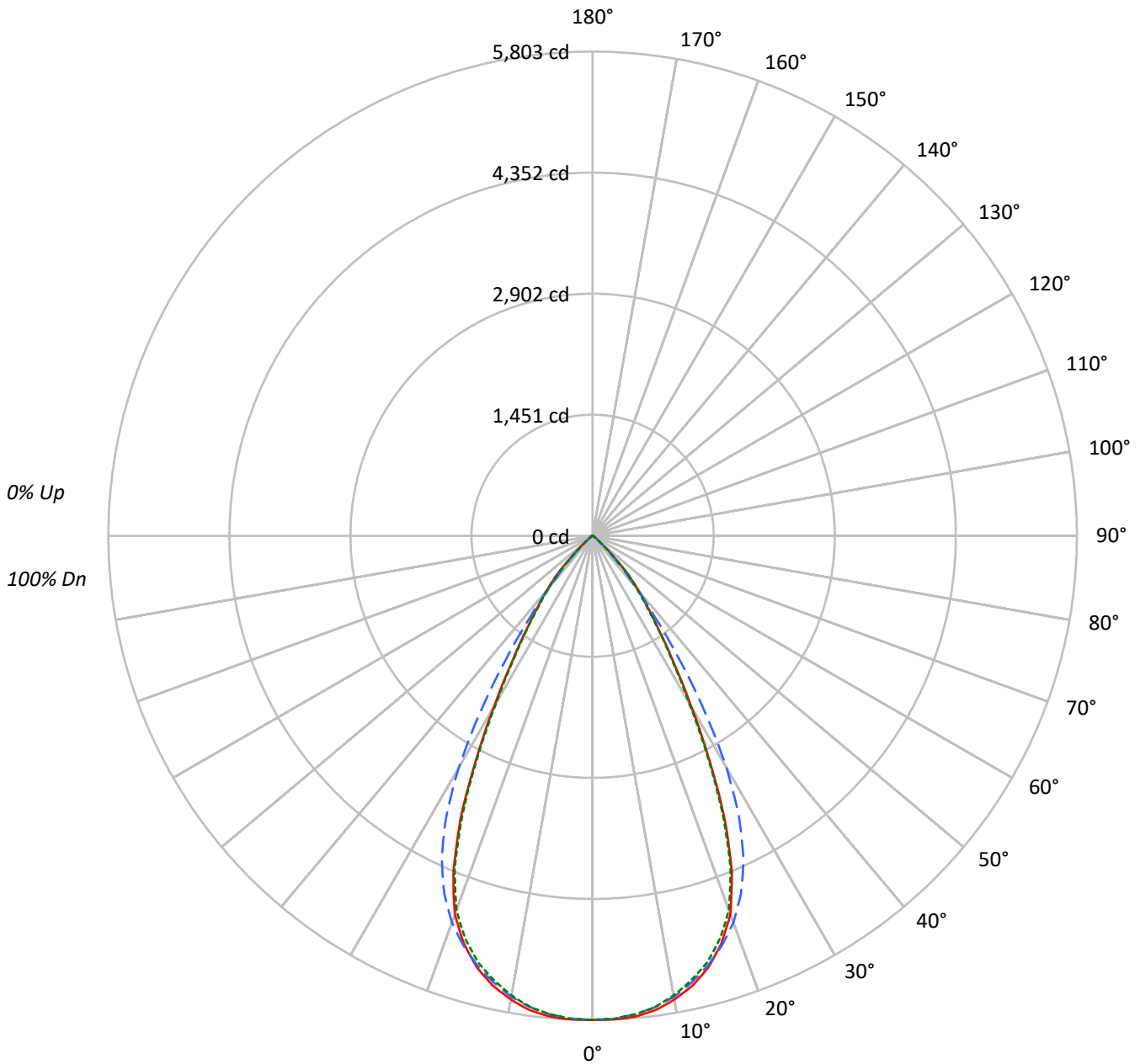
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5194.0 lumens
Efficiency: N/A
Efficacy: 71.7 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 (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°	559809	559809	559809
5°	560398	557812	557812
10°	553033	549771	548076
15°	535085	532558	528962
20°	495561	506373	490088
25°	398451	455494	393202
30°	262986	357132	256758
35°	164378	214451	161386
40°	107278	99380	103083
45°	51649	39654	48742
50°	13000	15807	12204
55°	7183	6510	6948
60°	4882	4110	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°	545.6	10.5
10°-20°	1490.0	28.7
20°-30°	1775.7	34.2
30°-40°	1005.5	19.4
40°-50°	310.9	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°	3811.4	73.4
0°-40°	4816.9	92.7
0°-60°	5170.9	99.6
0°-90°	5194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5802	5802	5802	5802	5802	
5°	5786	5772	5759	5755	5759	548
15°	5357	5347	5331	5310	5295	1494
25°	3743	3961	4278	3968	3693	1669
35°	1396	1522	1821	1526	1370	908
45°	378	441	291	429	357	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°	5801.8	5801.8	5801.8	5801.8	5801.8
2.5°	5803.1	5793.8	5791.1	5788.5	5793.8
5°	5785.8	5772.5	5759.1	5755.1	5759.1
7.5°	5736.5	5723.2	5700.5	5695.2	5699.2
10°	5644.5	5632.5	5611.2	5599.2	5593.9
12.5°	5523.2	5503.2	5483.2	5469.9	5456.6
15°	5356.6	5347.3	5331.3	5310.0	5295.3
17.5°	5126.1	5139.4	5148.7	5106.1	5067.4
20°	4826.2	4875.5	4931.5	4844.8	4772.9
22.5°	4358.3	4499.6	4642.2	4478.3	4318.4
25°	3742.6	3961.2	4278.4	3967.8	3693.3
27.5°	3024.2	3301.4	3801.2	3302.7	2984.2
30°	2360.4	2645.7	3205.4	2608.3	2304.5
32.5°	1812.6	2025.9	2504.4	1993.9	1774.0
35°	1395.5	1522.1	1820.6	1526.1	1370.1
37.5°	1084.9	1148.9	1224.9	1126.2	1052.9
40°	851.7	854.3	789.0	841.0	818.4
42.5°	631.8	629.1	485.1	613.1	617.1
45°	378.5	441.2	290.6	429.2	357.2
47.5°	179.9	249.2	174.6	235.9	166.6
50°	86.6	120.0	105.3	112.0	81.3
52.5°	58.6	61.3	60.0	58.6	56.0
55°	42.7	42.7	38.7	41.3	41.3
57.5°	32.0	32.0	28.0	30.7	30.7
60°	25.3	24.0	21.3	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)