

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

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: -

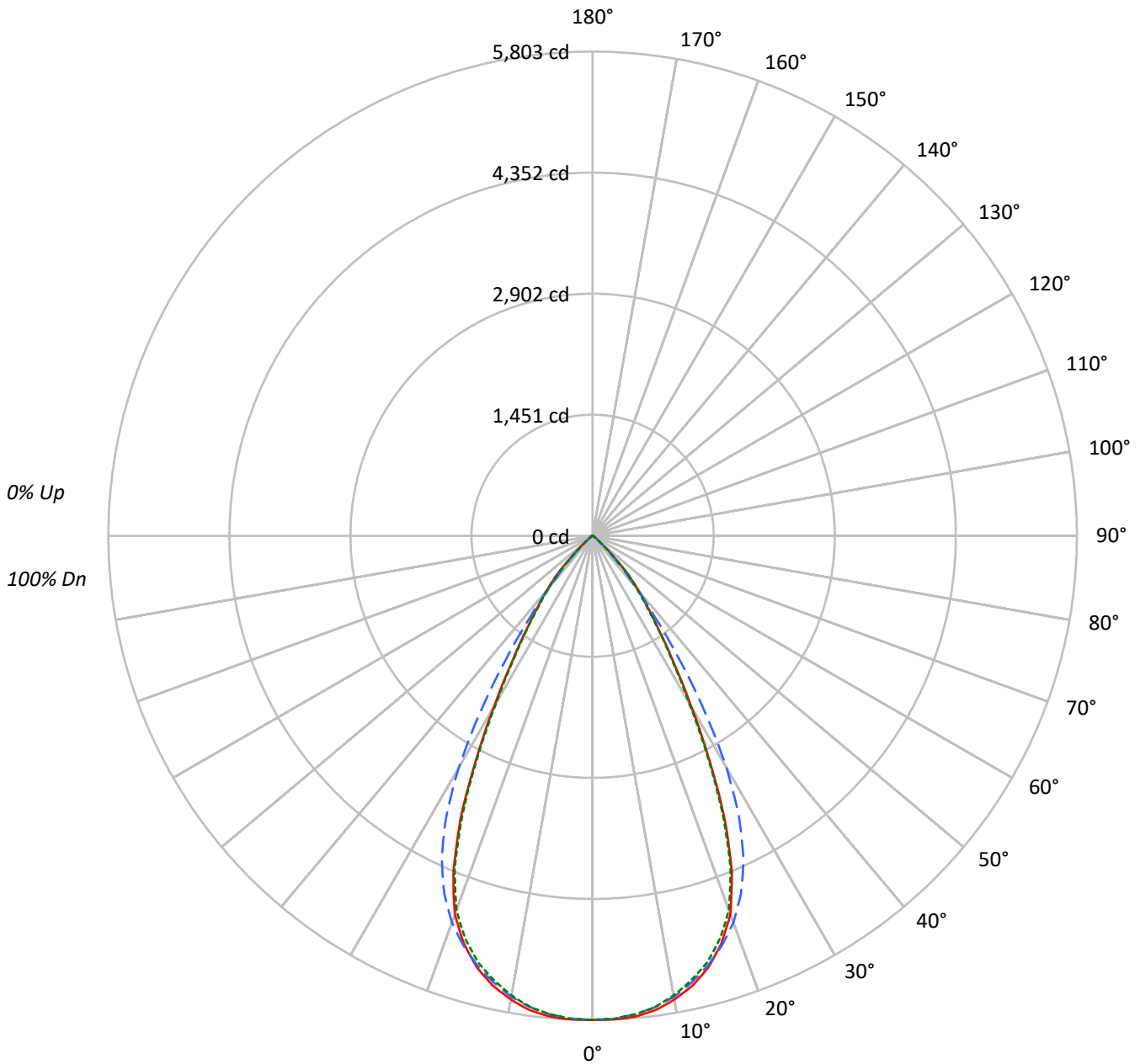
Summary

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 (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°	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)