

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 EX4C659027 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 EX4C659027 4LCSQWLI
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

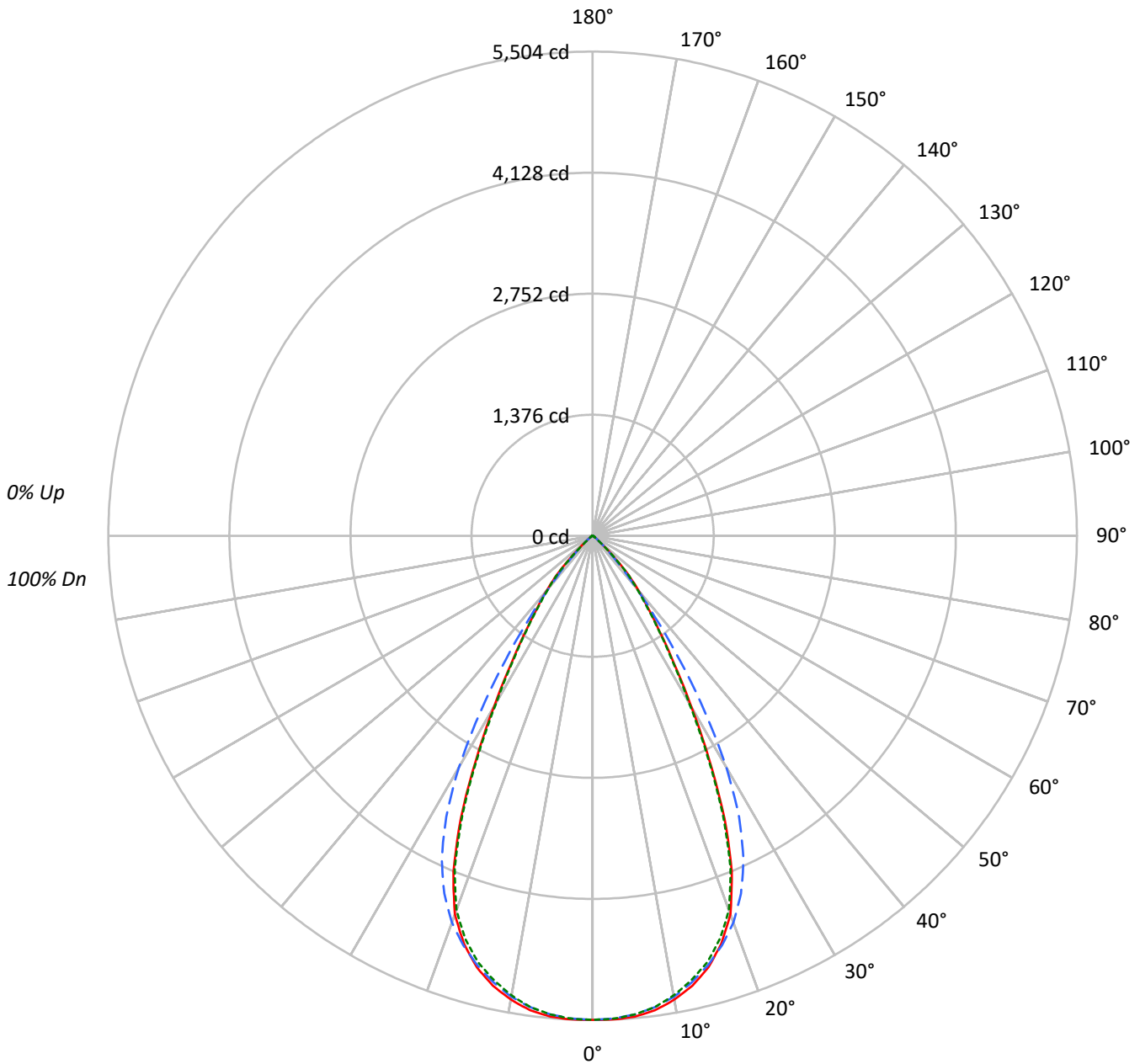
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4926.0 lumens
Efficiency: N/A
Efficacy: 68.0 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

TEST NUMBER: P#
CATALOG NUMBER: LD4C65D010 EX4C659027 4LCSQWLI

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°	530920	530920	530920
5°	531486	529035	529035
10°	524502	521406	519790
15°	507475	505077	501671
20°	469983	480241	464797
25°	377893	431987	372910
30°	249415	338715	243510
35°	155897	203390	153058
40°	101736	94254	97755
45°	48988	37607	46231
50°	12339	14996	11573
55°	6796	6174	6594
60°	4631	3898	4400
65°	3174	2877	3174
70°	2483	2144	2483
75°	1901	1901	1901
80°	1389	2111	2111
85°	1439	2768	2768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.5	10.5
10°-20°	1413.2	28.7
20°-30°	1684.1	34.2
30°-40°	953.6	19.4
40°-50°	294.8	6.0
50°-60°	41.0	0.8
60°-70°	14.0	0.3
70°-80°	5.6	0.1
80°-90°	2.3	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°	3614.7	73.4
0°-40°	4568.3	92.7
0°-60°	4904.1	99.6
0°-90°	4926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5502	5502	5502	5502	5502	
5°	5487	5475	5462	5458	5462	520
15°	5080	5071	5056	5036	5022	1417
25°	3550	3757	4058	3763	3503	1583
35°	1324	1444	1727	1447	1299	861
45°	359	418	276	407	339	296
55°	40	40	37	39	39	40
65°	14	14	13	14	14	15
75°	5	5	5	5	5	5
85°	1	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5502.4	5502.4	5502.4	5502.4	5502.4
2.5°	5503.7	5494.8	5492.3	5489.8	5494.8
5°	5487.3	5474.6	5462.0	5458.2	5462.0
7.5°	5440.5	5427.9	5406.4	5401.3	5405.1
10°	5353.3	5341.9	5321.7	5310.3	5305.2
12.5°	5238.2	5219.3	5200.3	5187.7	5175.0
15°	5080.2	5071.4	5056.2	5036.0	5022.1
17.5°	4861.6	4874.2	4883.0	4842.6	4805.9
20°	4577.1	4623.9	4677.0	4594.8	4526.6
22.5°	4133.5	4267.5	4402.7	4247.2	4095.5
25°	3549.5	3756.8	4057.6	3763.1	3502.7
27.5°	2868.1	3131.1	3605.1	3132.3	2830.2
30°	2238.6	2509.1	3040.1	2473.8	2185.6
32.5°	1719.1	1921.4	2375.2	1891.0	1682.5
35°	1323.5	1443.6	1726.7	1447.3	1299.4
37.5°	1028.9	1089.6	1161.7	1068.1	998.6
40°	807.7	810.3	748.3	797.6	776.1
42.5°	599.2	596.6	460.1	581.5	585.3
45°	359.0	418.4	275.6	407.0	338.8
47.5°	170.6	236.4	165.6	223.7	158.0
50°	82.2	113.8	99.9	106.2	77.1
52.5°	55.6	58.1	56.9	55.6	53.1
55°	40.4	40.4	36.7	39.2	39.2
57.5°	30.3	30.3	26.5	29.1	29.1
60°	24.0	22.8	20.2	22.8	22.8
62.5°	17.7	17.7	15.2	17.7	17.7
65°	13.9	13.9	12.6	13.9	13.9
67.5°	11.4	11.4	8.8	11.4	10.1
70°	8.8	8.8	7.6	8.8	8.8
72.5°	6.3	6.3	6.3	6.3	6.3
75°	5.1	5.1	5.1	5.1	5.1
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.5	2.5	3.8	3.8	3.8
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.3	2.5	2.5	2.5	2.5
87.5°	1.3	1.3	2.5	2.5	2.5
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)