

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 EX4C659050 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 EX4C659050 4LCSQWLI  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

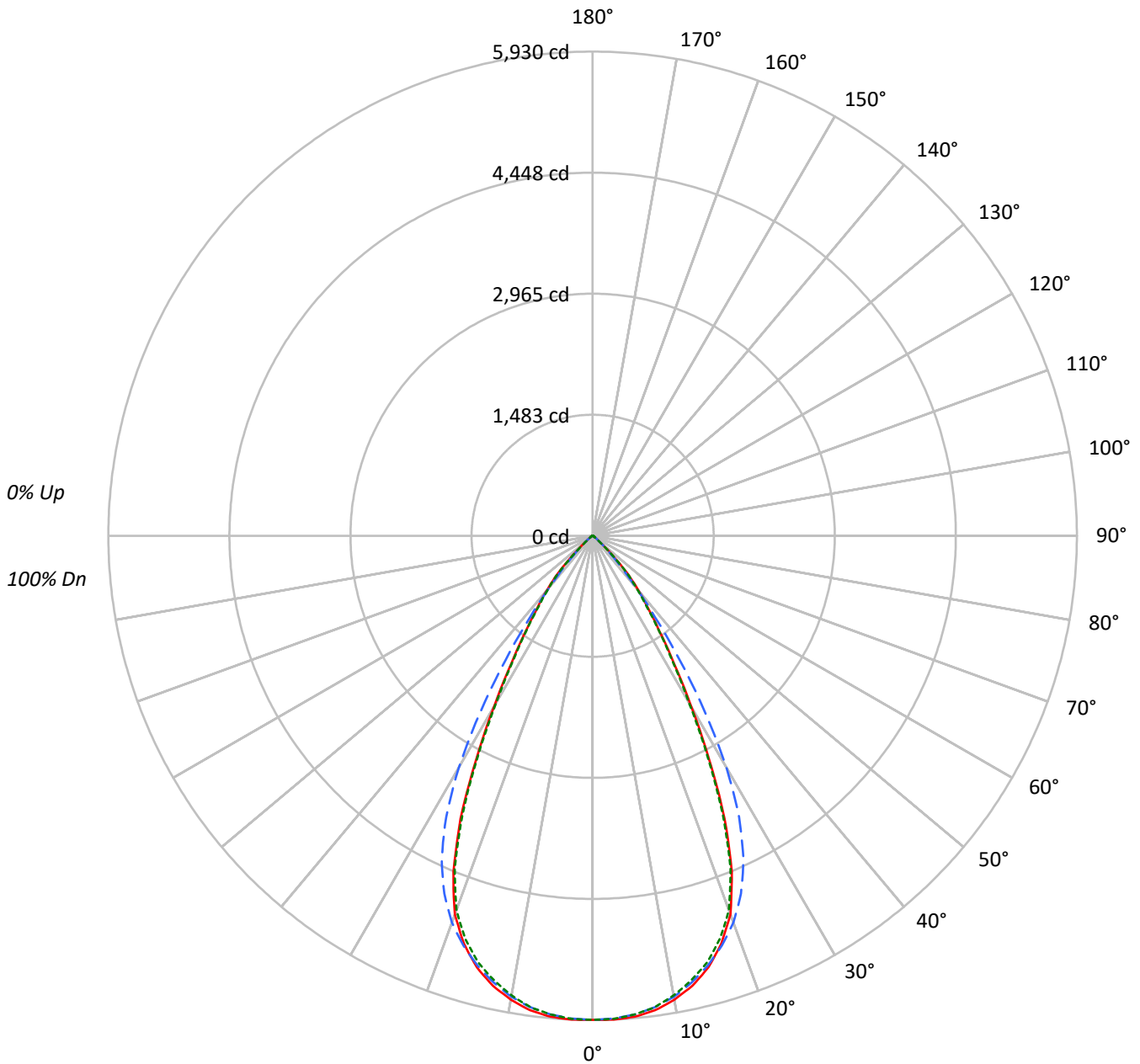
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5308.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 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<sub>in</sub>): 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°	572092	572092	572092
5°	572699	570055	570055
10°	565173	561842	560098
15°	546832	544245	540569
20°	506435	517483	500838
25°	407192	465491	401826
30°	268757	364976	262384
35°	167982	219162	164931
40°	109633	101572	105338
45°	52781	40514	49806
50°	13285	16152	12474
55°	7335	6645	7099
60°	4998	4207	4728
65°	3425	3105	3425
70°	2680	2313	2680
75°	2013	2013	2013
80°	1500	2278	2278
85°	1550	2989	2989



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	557.6	10.5
10°-20°	1522.7	28.7
20°-30°	1814.7	34.2
30°-40°	1027.6	19.4
40°-50°	317.7	6.0
50°-60°	44.1	0.8
60°-70°	15.1	0.3
70°-80°	6.0	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°	3895.0	73.4
0°-40°	4922.6	92.7
0°-60°	5284.4	99.6
0°-90°	5308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5308.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5929	5929	5929	5929	5929	
5°	5913	5899	5886	5882	5886	560
15°	5474	5465	5448	5426	5412	1526
25°	3825	4048	4372	4055	3774	1705
35°	1426	1556	1861	1560	1400	928
45°	387	451	297	439	365	319
55°	44	44	40	42	42	43
65°	15	15	14	15	15	16
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°	5929.1	5929.1	5929.1	5929.1	5929.1
2.5°	5930.5	5921.0	5918.2	5915.5	5921.0
5°	5912.8	5899.2	5885.5	5881.5	5885.5
7.5°	5862.4	5848.8	5825.6	5820.2	5824.3
10°	5768.4	5756.1	5734.4	5722.1	5716.6
12.5°	5644.5	5624.0	5603.6	5590.0	5576.4
15°	5474.2	5464.7	5448.3	5426.5	5411.5
17.5°	5238.6	5252.2	5261.7	5218.1	5178.6
20°	4932.1	4982.5	5039.7	4951.2	4877.6
22.5°	4454.0	4598.4	4744.1	4576.6	4413.1
25°	3824.7	4048.1	4372.3	4054.9	3774.3
27.5°	3090.6	3373.9	3884.7	3375.2	3049.7
30°	2412.2	2703.7	3275.8	2665.6	2355.0
32.5°	1852.4	2070.4	2559.3	2037.7	1812.9
35°	1426.1	1555.5	1860.6	1559.6	1400.2
37.5°	1108.7	1174.1	1251.8	1151.0	1076.0
40°	870.4	873.1	806.4	859.5	836.3
42.5°	645.6	642.9	495.8	626.6	630.6
45°	386.8	450.8	296.9	438.6	365.0
47.5°	183.9	254.7	178.4	241.1	170.3
50°	88.5	122.6	107.6	114.4	83.1
52.5°	59.9	62.7	61.3	59.9	57.2
55°	43.6	43.6	39.5	42.2	42.2
57.5°	32.7	32.7	28.6	31.3	31.3
60°	25.9	24.5	21.8	24.5	24.5
62.5°	19.1	19.1	16.3	19.1	19.1
65°	15.0	15.0	13.6	15.0	15.0
67.5°	12.3	12.3	9.5	12.3	10.9
70°	9.5	9.5	8.2	9.5	9.5
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.4	5.4	5.4	5.4	5.4
77.5°	4.1	4.1	4.1	4.1	4.1
80°	2.7	2.7	4.1	4.1	4.1
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.4	2.7	2.7	2.7	2.7
87.5°	1.4	1.4	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)