

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: **LD4C60D010 EX4C609040 4LCSQWH**

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 (G1-2105-247-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C60D010 EX4C609040 4LCSQWH  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

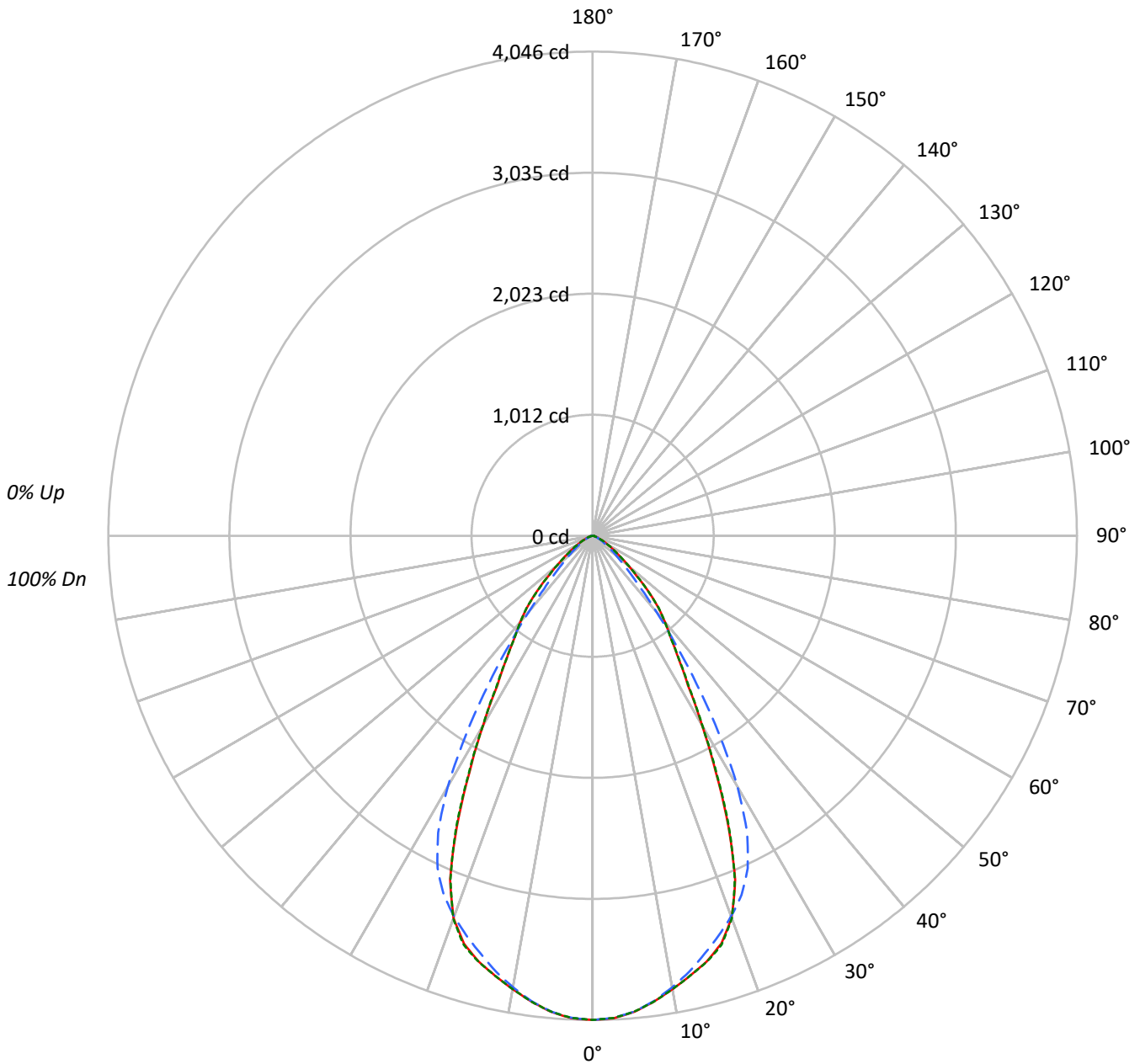
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4282.0 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77																			
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71																			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66																			
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61																			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56																			
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	390365	390365	390365
5°	386791	386539	386665
10°	376890	375381	376890
15°	367815	361182	368194
20°	348737	347422	349394
25°	286057	326396	287558
30°	203980	269660	204270
35°	147121	178689	147581
40°	117959	103814	117959
45°	90006	60586	89310
50°	59369	38683	59173
55°	39919	25974	39499
60°	26843	17735	27075
65°	18356	12534	18059
70°	12244	8999	12244
75°	8090	6673	8090
80°	5668	4945	5668
85°	4207	4207	4207



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.1	8.8
10°-20°	1025.5	23.9
20°-30°	1282.0	29.9
30°-40°	862.4	20.1
40°-50°	455.4	10.6
50°-60°	185.1	4.3
60°-70°	68.6	1.6
70°-80°	22.2	0.5
80°-90°	4.8	0.1
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°	2683.6	62.7
0°-40°	3546.0	82.8
0°-60°	4186.4	97.8
0°-90°	4282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4282.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4046	4046	4046	4046	4046	
5°	3993	3990	3991	3991	3992	376
15°	3682	3652	3616	3650	3686	1032
25°	2687	2838	3066	2843	2701	1209
35°	1249	1312	1517	1314	1253	804
45°	660	626	444	624	654	506
55°	237	199	154	199	235	220
65°	80	65	55	65	79	83
75°	22	19	18	19	22	25
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4045.7	4045.7	4045.7	4045.7	4045.7
2.5°	4035.5	4032.9	4031.7	4031.7	4032.9
5°	3993.4	3989.5	3990.8	3990.8	3992.1
7.5°	3925.8	3924.5	3920.7	3925.8	3925.8
10°	3846.7	3840.3	3831.3	3841.6	3846.7
12.5°	3765.0	3745.9	3730.6	3745.9	3765.0
15°	3682.1	3651.5	3615.7	3650.2	3685.9
17.5°	3573.6	3543.0	3503.5	3549.4	3583.8
20°	3396.3	3398.8	3383.5	3396.3	3402.7
22.5°	3111.8	3169.2	3249.6	3170.5	3102.8
25°	2686.9	2837.5	3065.8	2842.6	2701.0
27.5°	2231.4	2422.8	2796.6	2434.3	2245.5
30°	1830.8	2000.5	2420.3	2012.0	1833.4
32.5°	1482.5	1608.8	1967.3	1624.1	1499.1
35°	1249.0	1311.6	1517.0	1314.1	1252.9
37.5°	1070.4	1070.4	1126.6	1075.5	1065.3
40°	936.5	895.6	824.2	894.4	936.5
42.5°	811.4	750.2	598.4	747.6	814.0
45°	659.6	626.4	444.0	623.9	654.5
47.5°	506.5	483.5	334.3	481.0	510.3
50°	395.5	359.8	257.7	357.2	394.2
52.5°	303.6	265.4	199.0	265.4	301.1
55°	237.3	199.0	154.4	199.0	234.8
57.5°	182.4	151.8	117.4	149.3	181.2
60°	139.1	113.5	91.9	113.5	140.3
62.5°	105.9	86.8	70.2	85.5	104.6
65°	80.4	65.1	54.9	65.1	79.1
67.5°	58.7	48.5	42.1	48.5	60.0
70°	43.4	37.0	31.9	35.7	43.4
72.5°	31.9	26.8	24.2	26.8	31.9
75°	21.7	19.1	17.9	19.1	21.7
77.5°	15.3	14.0	12.8	14.0	15.3
80°	10.2	8.9	8.9	10.2	10.2
82.5°	6.4	6.4	6.4	6.4	6.4
85°	3.8	3.8	3.8	3.8	3.8
87.5°	2.6	2.6	2.6	2.6	2.6
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)