

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: P563884

Luminaire Tested: **LD4C60D010 EX4C609030 4LCSQWLI**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P563884
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: LD4C60D010 EX4C609030 4LCSQWLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

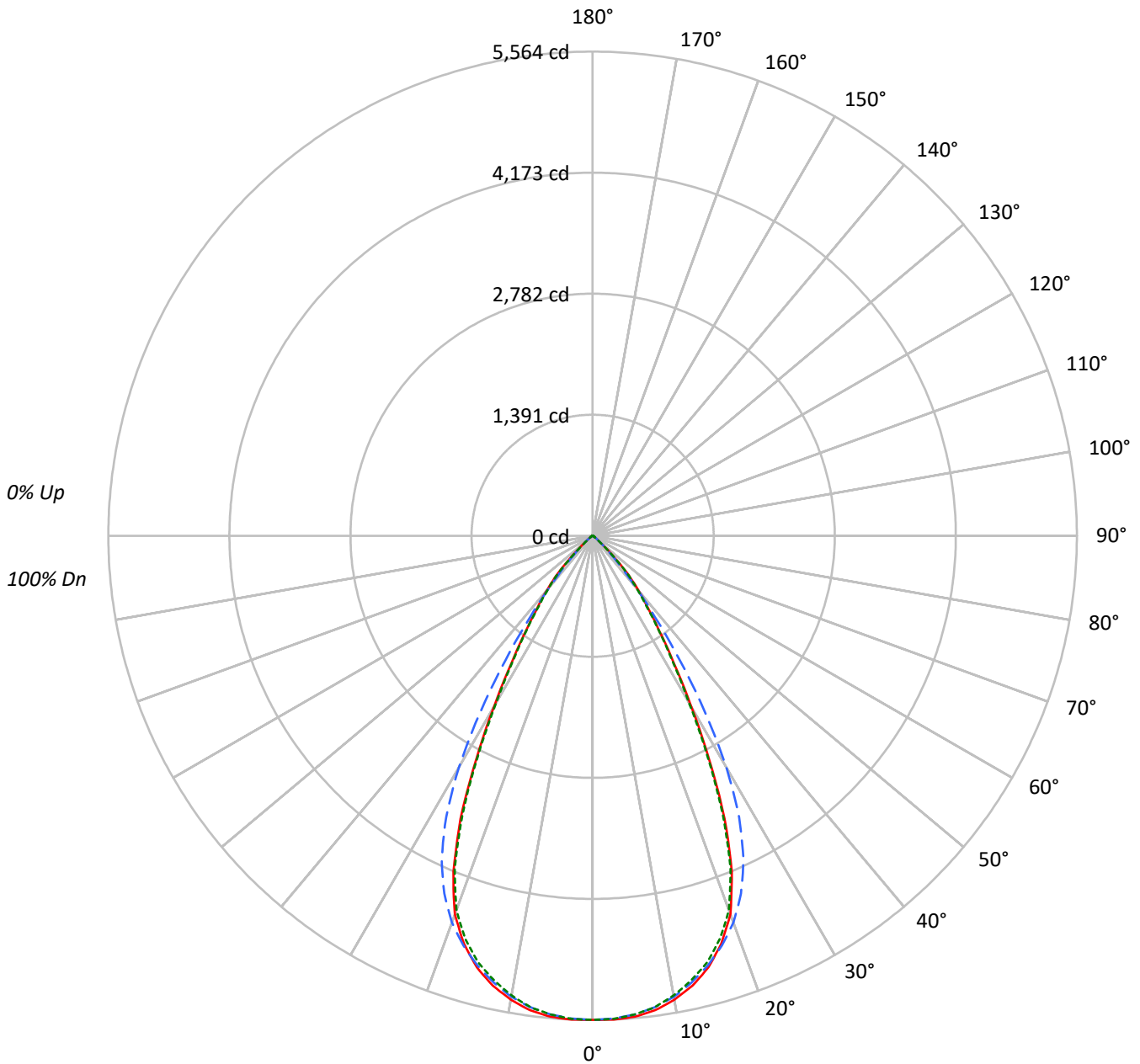
Lumens per Lamp: N/A
Luminaire Lumens: 4980.2 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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

TEST NUMBER: P563884

CATALOG NUMBER: LD4C60D010 EX4C609030 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°	536768	536768	536768
5°	537326	534857	534857
10°	530273	527148	525512
15°	513059	510631	507195
20°	475158	485529	469911
25°	382056	436746	377020
30°	252167	342436	246184
35°	157605	205628	154742
40°	102857	95299	98839
45°	49520	38017	46736
50°	12474	15161	11694
55°	6880	6224	6662
60°	4689	3937	4438
65°	3196	2922	3196
70°	2539	2144	2539
75°	1901	1901	1901
80°	1389	2167	2167
85°	1439	2768	2768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.2	10.5
10°-20°	1428.7	28.7
20°-30°	1702.6	34.2
30°-40°	964.1	19.4
40°-50°	298.1	6.0
50°-60°	41.4	0.8
60°-70°	14.1	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°	3654.5	73.4
0°-40°	4618.6	92.7
0°-60°	4958.1	99.6
0°-90°	4980.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4980.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5563	5563	5563	5563	5563	
5°	5548	5535	5522	5518	5522	525
15°	5136	5127	5112	5091	5077	1432
25°	3589	3798	4102	3804	3541	1600
35°	1338	1460	1746	1463	1314	871
45°	363	423	279	412	342	300
55°	41	41	37	40	40	40
65°	14	14	13	14	14	15
75°	5	5	5	5	5	6
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°	5563.0	5563.0	5563.0	5563.0	5563.0
2.5°	5564.3	5555.3	5552.8	5550.3	5555.3
5°	5547.6	5534.9	5522.1	5518.2	5522.1
7.5°	5500.4	5487.6	5465.8	5460.7	5464.6
10°	5412.2	5400.7	5380.3	5368.8	5363.6
12.5°	5295.8	5276.7	5257.6	5244.8	5232.0
15°	5136.1	5127.2	5111.8	5091.4	5077.4
17.5°	4915.0	4927.8	4936.8	4895.9	4858.9
20°	4627.5	4674.8	4728.5	4645.5	4576.4
22.5°	4179.0	4314.5	4451.2	4294.0	4140.6
25°	3588.6	3798.1	4102.3	3804.5	3541.3
27.5°	2899.7	3165.5	3644.7	3166.8	2861.4
30°	2263.3	2536.8	3073.5	2501.0	2209.6
32.5°	1738.0	1942.5	2401.3	1911.8	1701.0
35°	1338.0	1459.5	1745.7	1463.2	1313.7
37.5°	1040.3	1101.6	1174.5	1079.9	1009.6
40°	816.6	819.2	756.6	806.4	784.7
42.5°	605.7	603.2	465.2	587.8	591.7
45°	362.9	423.1	278.6	411.5	342.5
47.5°	172.5	238.9	167.4	226.2	159.7
50°	83.1	115.0	101.0	107.3	77.9
52.5°	56.3	58.8	57.5	56.3	53.7
55°	40.9	40.9	37.0	39.6	39.6
57.5°	30.7	30.7	26.9	29.4	29.4
60°	24.3	23.0	20.4	23.0	23.0
62.5°	17.9	17.9	15.4	17.9	17.9
65°	14.0	14.0	12.8	14.0	14.0
67.5°	11.5	11.5	9.0	11.5	10.3
70°	9.0	9.0	7.6	9.0	9.0
72.5°	6.4	6.4	6.4	6.4	6.4
75°	5.1	5.1	5.1	5.1	5.1
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.5	2.5	3.9	3.9	3.9
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)