

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 EX4C609027 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: LD4C60D010 EX4C609027 4LCSQWLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

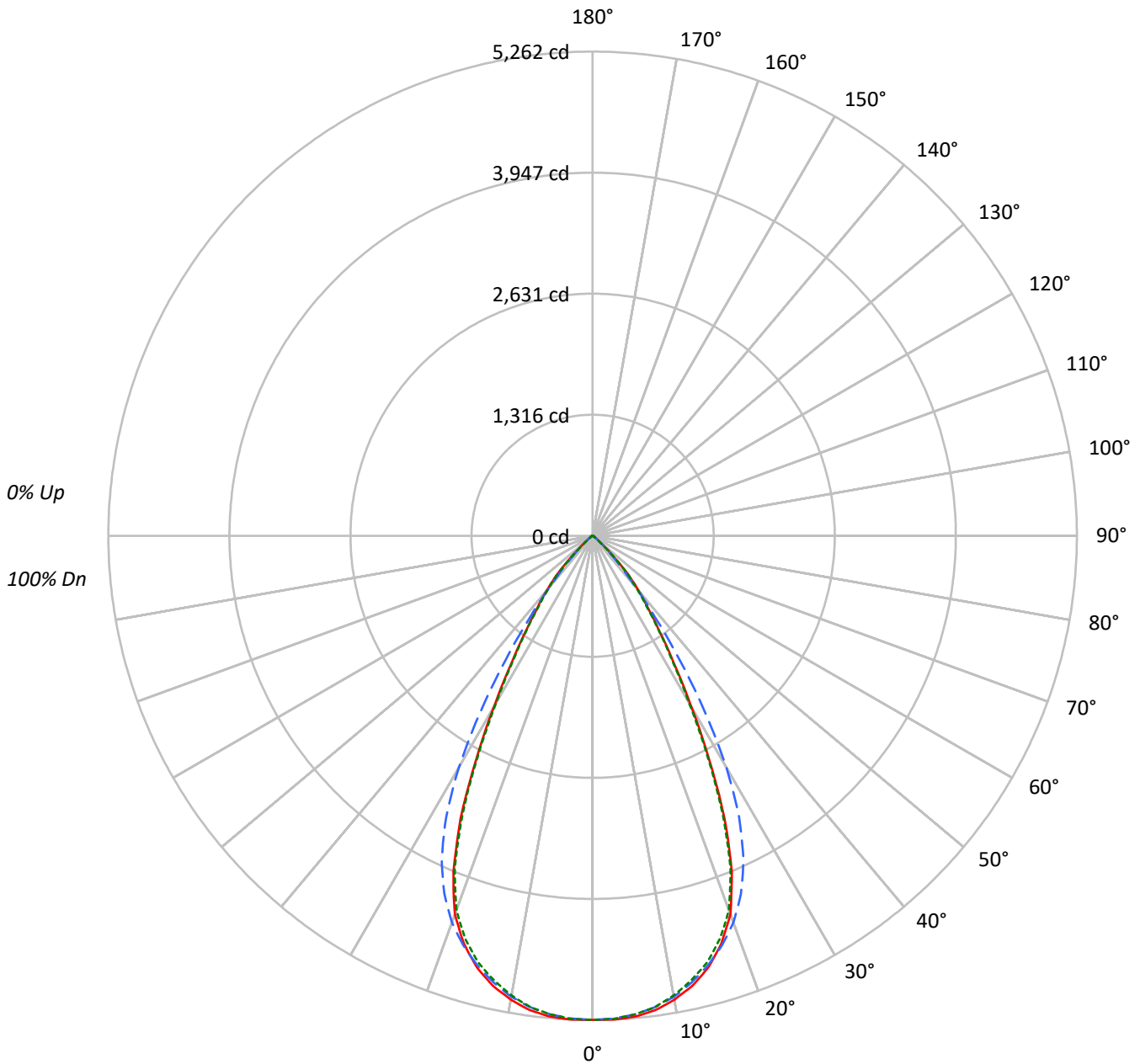
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4710.0 lumens
Efficiency: N/A
Efficacy: 65.4 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 (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

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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°	507647	507647	507647
5°	508182	505838	505838
10°	501497	498538	497000
15°	485229	482931	479675
20°	449375	459181	444415
25°	361317	413047	356558
30°	238485	323852	232826
35°	149053	194473	146356
40°	97277	90122	93473
45°	46845	35956	44198
50°	11799	14336	11063
55°	6510	5905	6308
60°	4438	3724	4207
65°	3037	2763	3037
70°	2398	2059	2398
75°	1789	1789	1789
80°	1334	2000	2000
85°	1329	2657	2657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.8	10.5
10°-20°	1351.2	28.7
20°-30°	1610.2	34.2
30°-40°	911.8	19.4
40°-50°	281.9	6.0
50°-60°	39.2	0.8
60°-70°	13.4	0.3
70°-80°	5.3	0.1
80°-90°	2.2	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°	3456.2	73.4
0°-40°	4368.0	92.7
0°-60°	4689.1	99.6
0°-90°	4710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4710.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5261	5261	5261	5261	5261	
5°	5247	5235	5222	5219	5222	497
15°	4858	4849	4834	4815	4802	1354
25°	3394	3592	3880	3598	3349	1513
35°	1265	1380	1651	1384	1242	824
45°	343	400	264	389	324	283
55°	39	39	35	38	38	38
65°	13	13	12	13	13	14
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°	5261.2	5261.2	5261.2	5261.2	5261.2
2.5°	5262.4	5253.9	5251.5	5249.1	5253.9
5°	5246.7	5234.6	5222.5	5218.9	5222.5
7.5°	5201.9	5189.8	5169.3	5164.5	5168.1
10°	5118.5	5107.7	5088.3	5077.4	5072.6
12.5°	5008.6	4990.4	4972.3	4960.2	4948.1
15°	4857.5	4849.0	4834.5	4815.2	4801.9
17.5°	4648.4	4660.5	4668.9	4630.3	4595.2
20°	4376.4	4421.2	4471.9	4393.4	4328.1
22.5°	3952.2	4080.3	4209.7	4061.0	3916.0
25°	3393.8	3592.0	3879.7	3598.1	3349.1
27.5°	2742.4	2993.8	3447.0	2995.0	2706.1
30°	2140.5	2399.1	2906.7	2365.3	2089.7
32.5°	1643.7	1837.1	2271.0	1808.1	1608.7
35°	1265.4	1380.3	1651.0	1383.9	1242.5
37.5°	983.8	1041.8	1110.7	1021.3	954.8
40°	772.3	774.7	715.5	762.6	742.1
42.5°	572.9	570.5	439.9	556.0	559.6
45°	343.3	400.1	263.5	389.2	323.9
47.5°	163.2	226.0	158.3	213.9	151.1
50°	78.6	108.8	95.5	101.5	73.7
52.5°	53.2	55.6	54.4	53.2	50.8
55°	38.7	38.7	35.1	37.5	37.5
57.5°	29.0	29.0	25.4	27.8	27.8
60°	23.0	21.8	19.3	21.8	21.8
62.5°	16.9	16.9	14.5	16.9	16.9
65°	13.3	13.3	12.1	13.3	13.3
67.5°	10.9	10.9	8.5	10.9	9.7
70°	8.5	8.5	7.3	8.5	8.5
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.8	4.8	4.8	4.8	4.8
77.5°	3.6	3.6	3.6	3.6	3.6
80°	2.4	2.4	3.6	3.6	3.6
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	2.4	2.4	2.4	2.4
87.5°	1.2	1.2	2.4	2.4	2.4
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)