

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: **LD4C08D010 EX4C089050 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: LD4C08D010 EX4C089050 4LCSQWLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

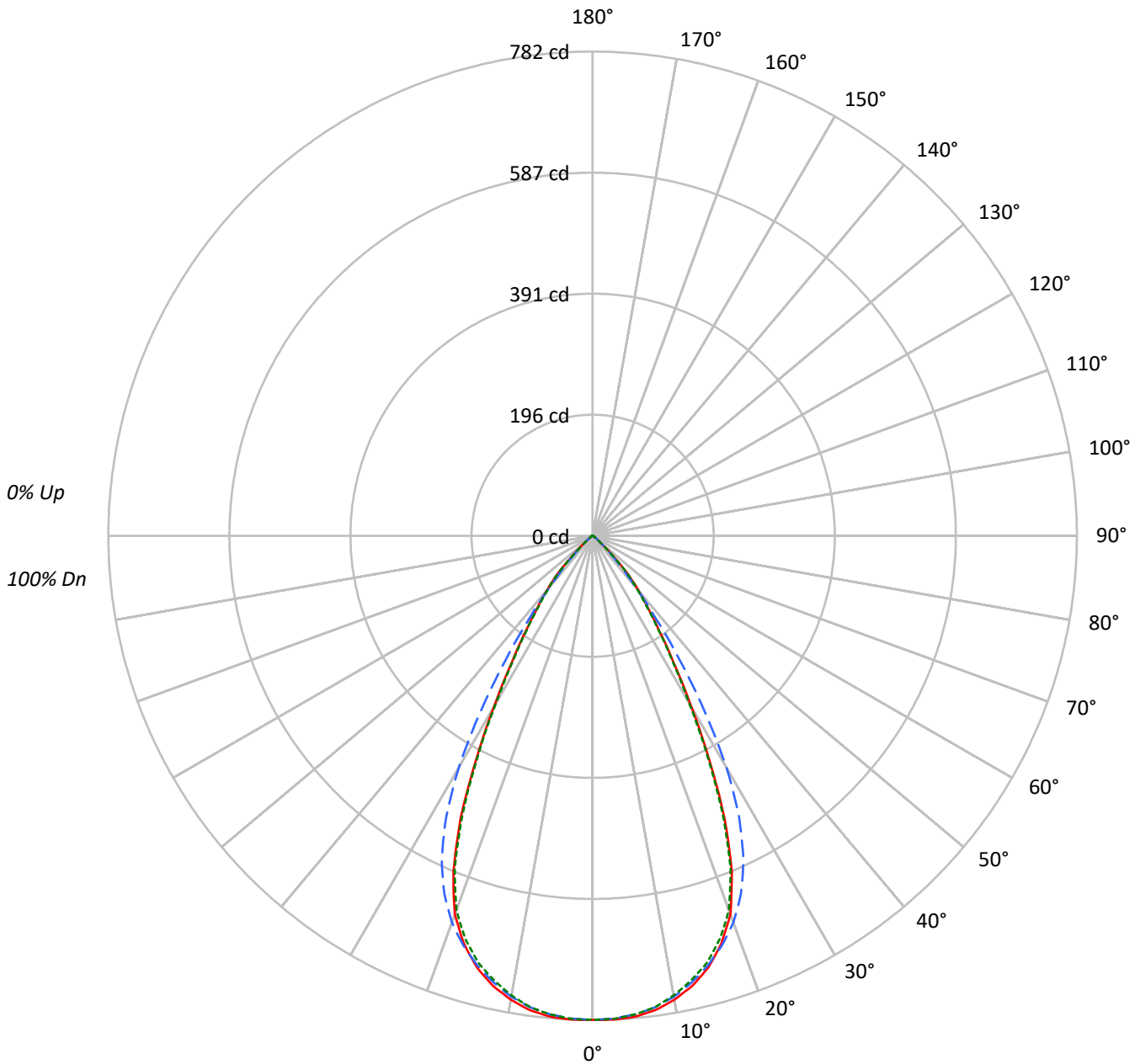
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 700.0 lumens
Efficiency: N/A
Efficacy: 70.7 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): 9.9
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°	75445	75445	75445
5°	75529	75181	75181
10°	74531	74091	73865
15°	72113	71773	71293
20°	66784	68242	66045
25°	53700	61387	52987
30°	35441	48132	34606
35°	22157	28906	21756
40°	14460	13389	13893
45°	6959	5349	6564
50°	1756	2132	1651
55°	959	875	942
60°	656	560	618
65°	457	411	457
70°	367	310	367
75°	261	261	261
80°	222	278	278
85°	221	443	443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	10.5
10°-20°	200.8	28.7
20°-30°	239.3	34.2
30°-40°	135.5	19.4
40°-50°	41.9	6.0
50°-60°	5.8	0.8
60°-70°	2.0	0.3
70°-80°	0.8	0.1
80°-90°	0.4	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°	513.7	73.4
0°-40°	649.2	92.7
0°-60°	696.9	99.6
0°-90°	700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	780	778	776	776	776	74
15°	722	721	718	716	714	201
25°	504	534	577	535	498	225
35°	188	205	245	206	185	122
45°	51	60	39	58	48	42
55°	6	6	5	6	6	6
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	781.9	781.9	781.9	781.9	781.9
2.5°	782.1	780.8	780.5	780.1	780.8
5°	779.8	778.0	776.2	775.6	776.2
7.5°	773.1	771.3	768.3	767.5	768.1
10°	760.7	759.1	756.2	754.6	753.9
12.5°	744.4	741.7	739.0	737.2	735.4
15°	721.9	720.7	718.5	715.6	713.7
17.5°	690.8	692.6	693.9	688.1	682.9
20°	650.4	657.1	664.6	652.9	643.2
22.5°	587.4	606.4	625.6	603.5	582.0
25°	504.4	533.8	576.6	534.7	497.7
27.5°	407.6	444.9	512.3	445.1	402.2
30°	318.1	356.6	432.0	351.5	310.6
32.5°	244.3	273.0	337.5	268.7	239.1
35°	188.1	205.1	245.4	205.7	184.7
37.5°	146.2	154.8	165.1	151.8	141.9
40°	114.8	115.1	106.3	113.3	110.3
42.5°	85.1	84.8	65.4	82.6	83.2
45°	51.0	59.5	39.2	57.8	48.1
47.5°	24.2	33.6	23.5	31.8	22.5
50°	11.7	16.2	14.2	15.1	11.0
52.5°	7.9	8.3	8.1	7.9	7.5
55°	5.7	5.7	5.2	5.6	5.6
57.5°	4.3	4.3	3.8	4.1	4.1
60°	3.4	3.2	2.9	3.2	3.2
62.5°	2.5	2.5	2.2	2.5	2.5
65°	2.0	2.0	1.8	2.0	2.0
67.5°	1.6	1.6	1.3	1.6	1.4
70°	1.3	1.3	1.1	1.3	1.3
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.4	0.4	0.5	0.5	0.5
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.4	0.4	0.4	0.4
87.5°	0.2	0.2	0.4	0.4	0.4
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)