

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: **LD4C05D010 EX4C059035 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: LD4C05D010 EX4C059035 4LCSQWLI
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

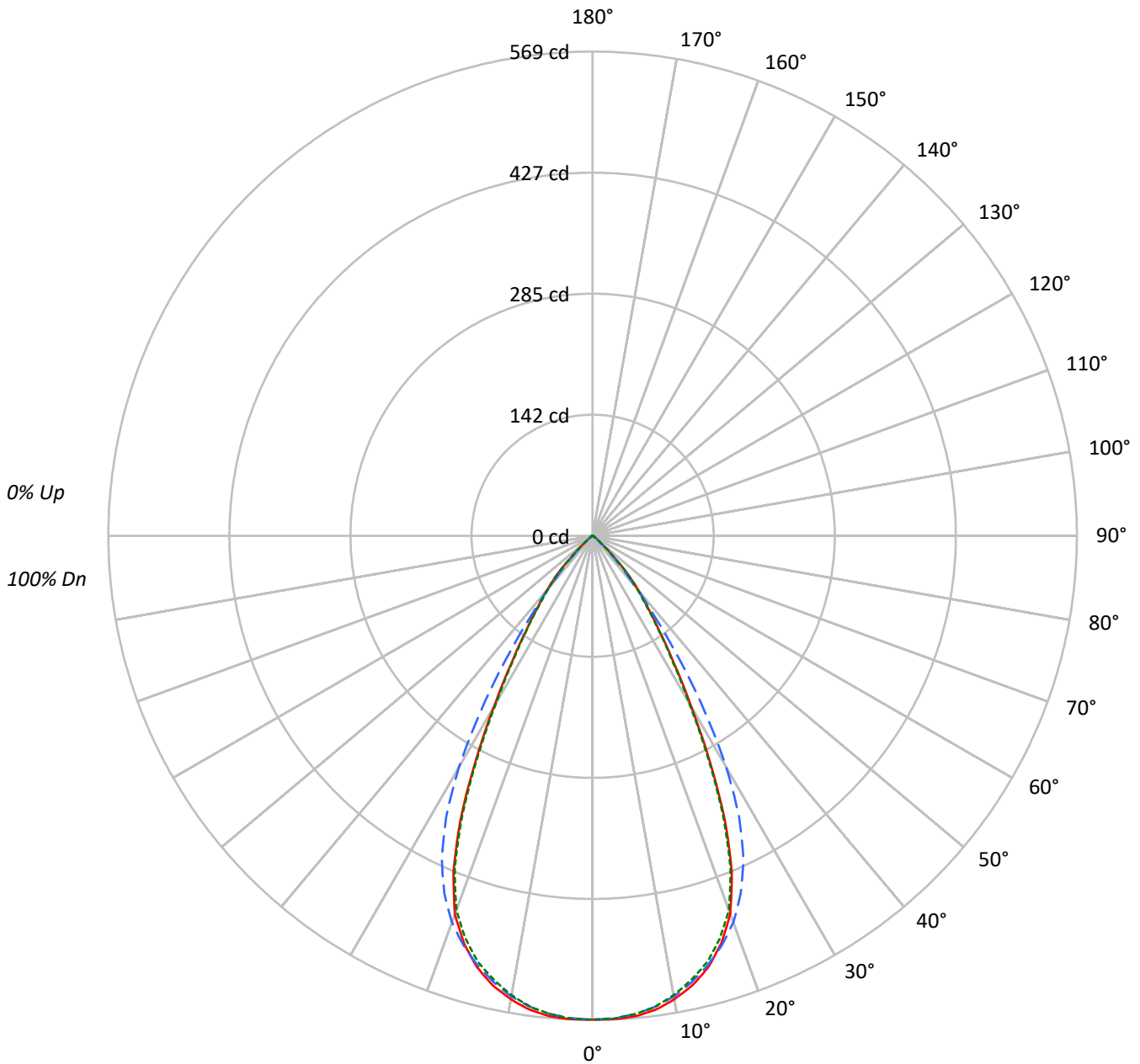
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 509.0 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): 7.2
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	101	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	83	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°	54864	54864	54864
5°	54918	54666	54666
10°	54191	53878	53711
15°	52434	52194	51834
20°	48568	49626	48024
25°	39051	44640	38529
30°	25770	34996	25158
35°	16114	21014	15819
40°	10517	9736	10102
45°	5063	3889	4776
50°	1276	1546	1201
55°	707	639	673
60°	482	405	463
65°	320	297	320
70°	254	226	254
75°	186	186	186
80°	167	222	222
85°	111	332	332



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	10.5
10°-20°	146.0	28.7
20°-30°	174.0	34.2
30°-40°	98.5	19.4
40°-50°	30.5	6.0
50°-60°	4.2	0.8
60°-70°	1.4	0.3
70°-80°	0.6	0.1
80°-90°	0.3	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°	373.5	73.4
0°-40°	472.0	92.7
0°-60°	506.7	99.6
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	569	569	569	569	569	
5°	567	566	564	564	564	54
15°	525	524	522	520	519	146
25°	367	388	419	389	362	164
35°	137	149	178	150	134	89
45°	37	43	28	42	35	31
55°	4	4	4	4	4	4
65°	1	1	1	1	1	2
75°	0	0	0	0	0	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°	568.6	568.6	568.6	568.6	568.6
2.5°	568.7	567.8	567.5	567.3	567.8
5°	567.0	565.7	564.4	564.0	564.4
7.5°	562.2	560.9	558.6	558.1	558.5
10°	553.1	552.0	549.9	548.7	548.2
12.5°	541.3	539.3	537.3	536.0	534.7
15°	524.9	524.0	522.5	520.4	518.9
17.5°	502.3	503.6	504.6	500.4	496.6
20°	473.0	477.8	483.3	474.8	467.7
22.5°	427.1	441.0	454.9	438.9	423.2
25°	366.8	388.2	419.3	388.8	361.9
27.5°	296.4	323.5	372.5	323.7	292.4
30°	231.3	259.3	314.1	255.6	225.8
32.5°	177.6	198.5	245.4	195.4	173.8
35°	136.8	149.2	178.4	149.6	134.3
37.5°	106.3	112.6	120.0	110.4	103.2
40°	83.5	83.7	77.3	82.4	80.2
42.5°	61.9	61.6	47.5	60.1	60.5
45°	37.1	43.2	28.5	42.1	35.0
47.5°	17.6	24.4	17.1	23.1	16.3
50°	8.5	11.8	10.3	11.0	8.0
52.5°	5.7	6.0	5.9	5.7	5.5
55°	4.2	4.2	3.8	4.0	4.0
57.5°	3.1	3.1	2.7	3.0	3.0
60°	2.5	2.4	2.1	2.4	2.4
62.5°	1.8	1.8	1.6	1.8	1.8
65°	1.4	1.4	1.3	1.4	1.4
67.5°	1.2	1.2	0.9	1.2	1.0
70°	0.9	0.9	0.8	0.9	0.9
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.3	0.3	0.4	0.4	0.4
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.1	0.3	0.3	0.3	0.3
87.5°	0.1	0.1	0.3	0.3	0.3
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)