

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: **LD4C55D010 EX4C559035 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: LD4C55D010 EX4C559035 4LCSQWLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

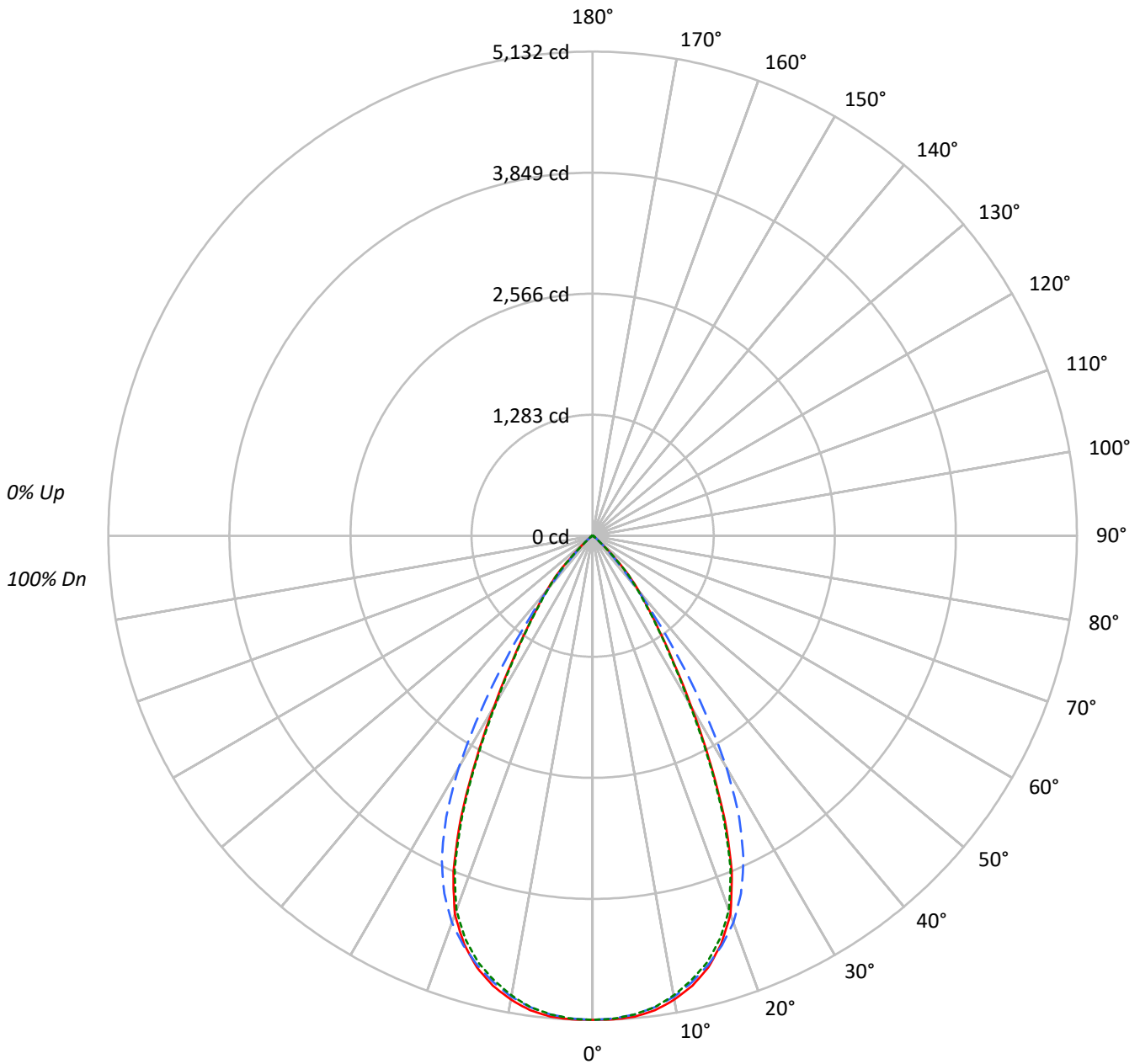
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4593.0 lumens
Efficiency: N/A
Efficacy: 71.9 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): 63.9
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°	495036	495036	495036
5°	495552	493276	493276
10°	489044	486154	484655
15°	473172	470934	467757
20°	438213	447773	433377
25°	352342	402784	347700
30°	232558	315808	227043
35°	145354	189644	142716
40°	94858	87880	91155
45°	45672	35056	43106
50°	11498	13975	10793
55°	6342	5753	6140
60°	4323	3647	4091
65°	2968	2694	2968
70°	2342	2003	2342
75°	1752	1752	1752
80°	1334	1945	1945
85°	1329	2657	2657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.5	10.5
10°-20°	1317.6	28.7
20°-30°	1570.2	34.2
30°-40°	889.2	19.4
40°-50°	274.9	6.0
50°-60°	38.2	0.8
60°-70°	13.0	0.3
70°-80°	5.2	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°	3370.4	73.4
0°-40°	4259.5	92.7
0°-60°	4572.6	99.6
0°-90°	4593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4593.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5130	5130	5130	5130	5130	
5°	5116	5104	5093	5089	5093	484
15°	4737	4729	4714	4696	4683	1321
25°	3310	3503	3783	3509	3266	1476
35°	1234	1346	1610	1350	1212	803
45°	335	390	257	380	316	276
55°	38	38	34	36	36	37
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°	5130.5	5130.5	5130.5	5130.5	5130.5
2.5°	5131.6	5123.4	5121.0	5118.7	5123.4
5°	5116.3	5104.5	5092.8	5089.2	5092.8
7.5°	5072.7	5060.9	5040.9	5036.2	5039.7
10°	4991.4	4980.8	4961.9	4951.3	4946.6
12.5°	4884.1	4866.5	4848.8	4837.0	4825.2
15°	4736.8	4728.6	4714.4	4695.6	4682.6
17.5°	4532.9	4544.7	4552.9	4515.2	4481.1
20°	4267.7	4311.3	4360.8	4284.2	4220.6
22.5°	3854.0	3979.0	4105.1	3960.1	3818.7
25°	3309.5	3502.8	3783.3	3508.7	3265.9
27.5°	2674.3	2919.4	3361.4	2920.6	2638.9
30°	2087.3	2339.5	2834.5	2306.5	2037.8
32.5°	1602.9	1791.5	2214.6	1763.2	1568.7
35°	1234.0	1346.0	1610.0	1349.5	1211.6
37.5°	959.4	1016.0	1083.1	995.9	931.1
40°	753.1	755.5	697.7	743.7	723.7
42.5°	558.7	556.3	429.0	542.2	545.7
45°	334.7	390.1	256.9	379.5	315.9
47.5°	159.1	220.4	154.4	208.6	147.3
50°	76.6	106.1	93.1	99.0	71.9
52.5°	51.9	54.2	53.0	51.9	49.5
55°	37.7	37.7	34.2	36.5	36.5
57.5°	28.3	28.3	24.8	27.1	27.1
60°	22.4	21.2	18.9	21.2	21.2
62.5°	16.5	16.5	14.1	16.5	16.5
65°	13.0	13.0	11.8	13.0	13.0
67.5°	10.6	10.6	8.3	10.6	9.4
70°	8.3	8.3	7.1	8.3	8.3
72.5°	5.9	5.9	5.9	5.9	5.9
75°	4.7	4.7	4.7	4.7	4.7
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.4	2.4	3.5	3.5	3.5
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)