

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 EX4C559050 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 EX4C559050 4LCSQWLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

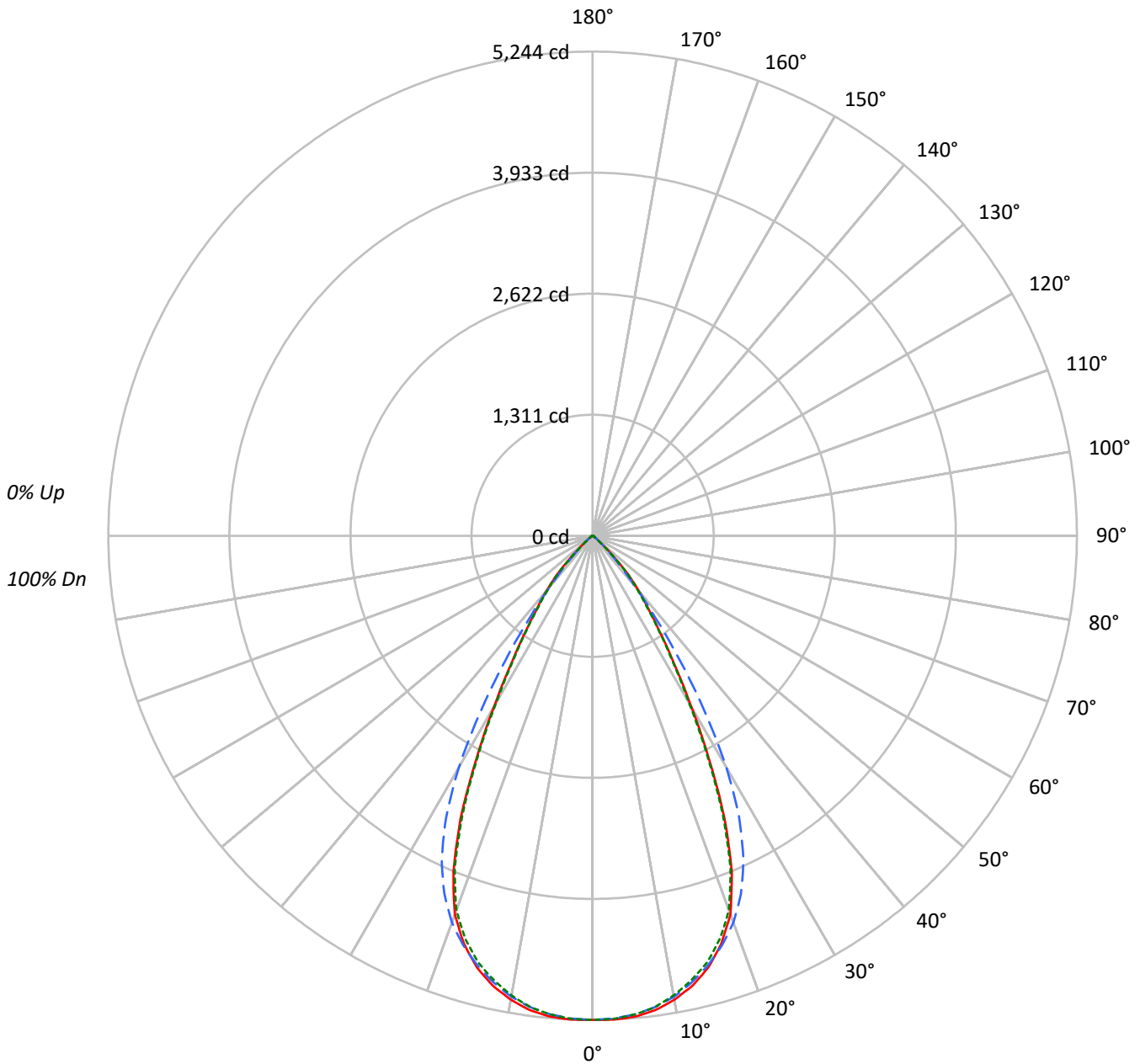
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4694.0 lumens
Efficiency: N/A
Efficacy: 73.5 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

TEST NUMBER: P#
CATALOG NUMBER: LD4C55D010 EX4C559050 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°	505920	505920	505920
5°	506448	504114	504114
10°	499802	496843	495315
15°	483580	481293	478046
20°	447855	457620	442906
25°	360092	411642	355344
30°	237672	322760	232034
35°	148546	193814	145849
40°	96949	89820	93158
45°	46682	35833	44048
50°	11754	14290	11033
55°	6477	5871	6275
60°	4419	3724	4188
65°	3014	2740	3014
70°	2370	2031	2370
75°	1789	1789	1789
80°	1334	2000	2000
85°	1329	2657	2657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.1	10.5
10°-20°	1346.6	28.7
20°-30°	1604.8	34.2
30°-40°	908.7	19.4
40°-50°	280.9	6.0
50°-60°	39.0	0.8
60°-70°	13.3	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°	3444.5	73.4
0°-40°	4353.2	92.7
0°-60°	4673.2	99.6
0°-90°	4694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4694.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5243	5243	5243	5243	5243	
5°	5229	5217	5205	5201	5205	495
15°	4841	4832	4818	4799	4786	1350
25°	3382	3580	3866	3586	3338	1508
35°	1261	1376	1645	1379	1238	821
45°	342	399	263	388	323	282
55°	38	38	35	37	37	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°	5243.3	5243.3	5243.3	5243.3	5243.3
2.5°	5244.5	5236.1	5233.6	5231.2	5236.1
5°	5228.8	5216.8	5204.7	5201.1	5204.7
7.5°	5184.3	5172.2	5151.7	5146.9	5150.5
10°	5101.2	5090.3	5071.0	5060.2	5055.4
12.5°	4991.5	4973.5	4955.4	4943.4	4931.3
15°	4841.0	4832.5	4818.1	4798.8	4785.6
17.5°	4632.6	4644.6	4653.1	4614.5	4579.6
20°	4361.6	4406.1	4456.7	4378.4	4313.4
22.5°	3938.8	4066.5	4195.4	4047.2	3902.7
25°	3382.3	3579.8	3866.5	3585.9	3337.7
27.5°	2733.1	2983.6	3435.3	2984.8	2696.9
30°	2133.2	2391.0	2896.9	2357.2	2082.6
32.5°	1638.1	1830.9	2263.3	1802.0	1603.2
35°	1261.1	1375.6	1645.4	1379.2	1238.2
37.5°	980.5	1038.3	1107.0	1017.8	951.6
40°	769.7	772.1	713.1	760.1	739.6
42.5°	570.9	568.5	438.4	554.1	557.7
45°	342.1	398.7	262.6	387.9	322.8
47.5°	162.6	225.2	157.8	213.2	150.6
50°	78.3	108.4	95.2	101.2	73.5
52.5°	53.0	55.4	54.2	53.0	50.6
55°	38.5	38.5	34.9	37.3	37.3
57.5°	28.9	28.9	25.3	27.7	27.7
60°	22.9	21.7	19.3	21.7	21.7
62.5°	16.9	16.9	14.5	16.9	16.9
65°	13.2	13.2	12.0	13.2	13.2
67.5°	10.8	10.8	8.4	10.8	9.6
70°	8.4	8.4	7.2	8.4	8.4
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)