

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 EX4C559030 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 EX4C559030 4LCSQWLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

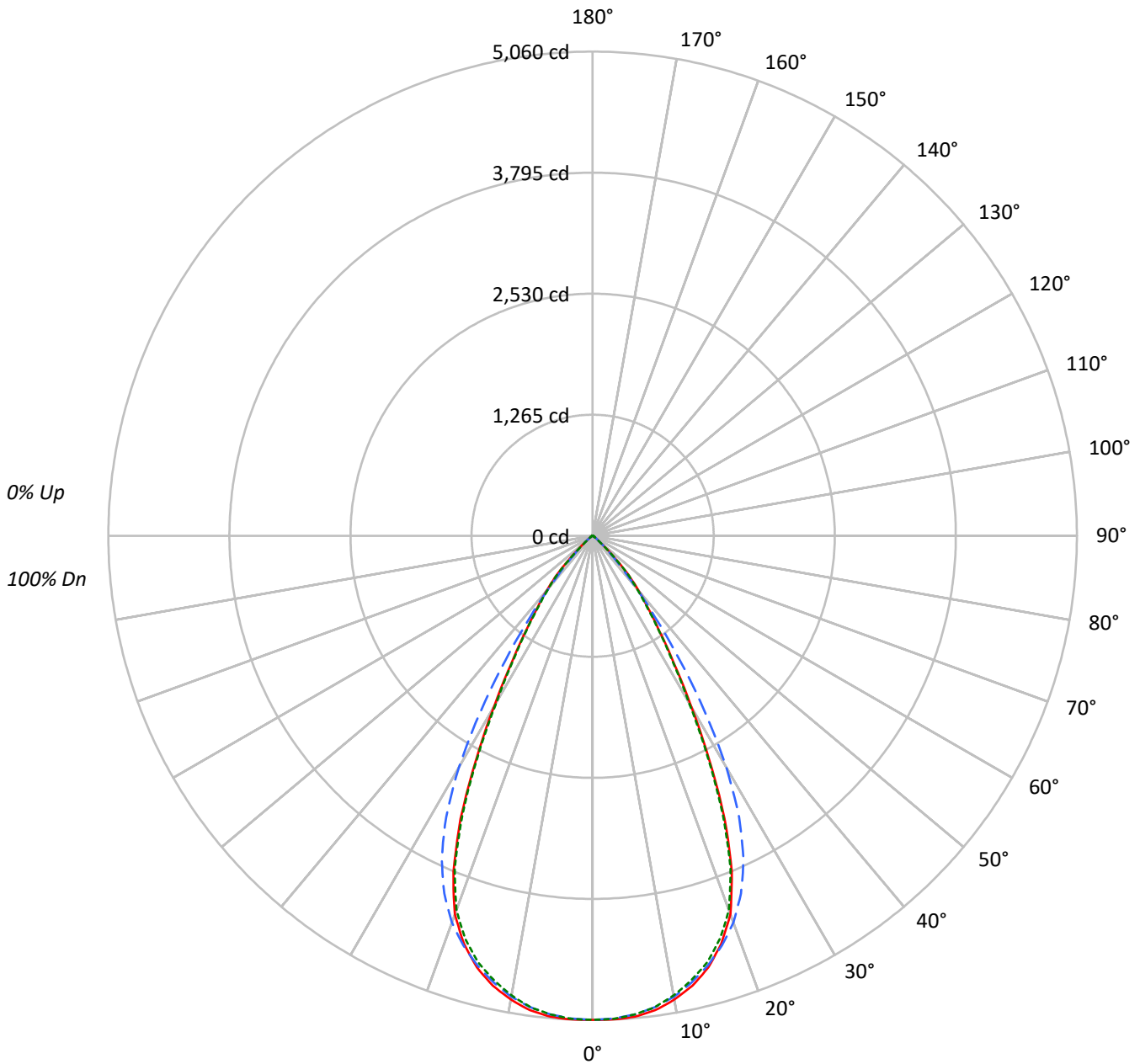
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4529.0 lumens
Efficiency: N/A
Efficacy: 70.9 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°	488137	488137	488137
5°	488646	486399	486399
10°	482225	479384	477904
15°	466579	464371	461234
20°	432114	441540	427339
25°	347434	397174	342856
30°	229316	311407	223879
35°	143328	186994	140725
40°	93536	86659	89883
45°	45044	34578	42506
50°	11333	13780	10643
55°	6258	5669	6056
60°	4265	3589	4033
65°	2922	2648	2922
70°	2285	1975	2285
75°	1715	1715	1715
80°	1278	1945	1945
85°	1329	2546	2546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.8	10.5
10°-20°	1299.3	28.7
20°-30°	1548.4	34.2
30°-40°	876.8	19.4
40°-50°	271.1	6.0
50°-60°	37.7	0.8
60°-70°	12.9	0.3
70°-80°	5.1	0.1
80°-90°	2.1	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°	3323.4	73.4
0°-40°	4200.2	92.7
0°-60°	4508.9	99.6
0°-90°	4529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5059	5059	5059	5059	5059	
5°	5045	5033	5022	5018	5022	478
15°	4671	4663	4649	4630	4617	1302
25°	3263	3454	3731	3460	3220	1455
35°	1217	1327	1588	1331	1195	792
45°	330	385	253	374	312	273
55°	37	37	34	36	36	37
65°	13	13	12	13	13	13
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°	5059.0	5059.0	5059.0	5059.0	5059.0
2.5°	5060.1	5052.0	5049.7	5047.4	5052.0
5°	5045.0	5033.4	5021.8	5018.3	5021.8
7.5°	5002.0	4990.4	4970.7	4966.0	4969.5
10°	4921.8	4911.4	4892.8	4882.3	4877.7
12.5°	4816.1	4798.6	4781.2	4769.6	4758.0
15°	4670.8	4662.7	4648.7	4630.1	4617.3
17.5°	4469.8	4481.4	4489.5	4452.3	4418.6
20°	4208.3	4251.3	4300.1	4224.5	4161.8
22.5°	3800.3	3923.5	4047.9	3904.9	3765.5
25°	3263.4	3454.0	3730.6	3459.8	3220.4
27.5°	2637.0	2878.7	3314.5	2879.9	2602.1
30°	2058.2	2306.9	2795.0	2274.4	2009.4
32.5°	1580.6	1766.5	2183.7	1738.6	1546.9
35°	1216.8	1327.2	1587.5	1330.7	1194.7
37.5°	946.0	1001.8	1068.0	982.0	918.1
40°	742.6	745.0	688.0	733.3	713.6
42.5°	550.9	548.5	423.0	534.6	538.1
45°	330.1	384.7	253.4	374.2	311.5
47.5°	156.9	217.3	152.2	205.7	145.3
50°	75.5	104.6	91.8	97.6	70.9
52.5°	51.1	53.5	52.3	51.1	48.8
55°	37.2	37.2	33.7	36.0	36.0
57.5°	27.9	27.9	24.4	26.7	26.7
60°	22.1	20.9	18.6	20.9	20.9
62.5°	16.3	16.3	13.9	16.3	16.3
65°	12.8	12.8	11.6	12.8	12.8
67.5°	10.5	10.5	8.1	10.5	9.3
70°	8.1	8.1	7.0	8.1	8.1
72.5°	5.8	5.8	5.8	5.8	5.8
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.3	2.3	3.5	3.5	3.5
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.2	2.3	2.3	2.3	2.3
87.5°	1.2	1.2	2.3	2.3	2.3
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)