

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: P563875

Luminaire Tested: **LD4C55D010 EX4C559030 4LCSQWLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563875
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, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

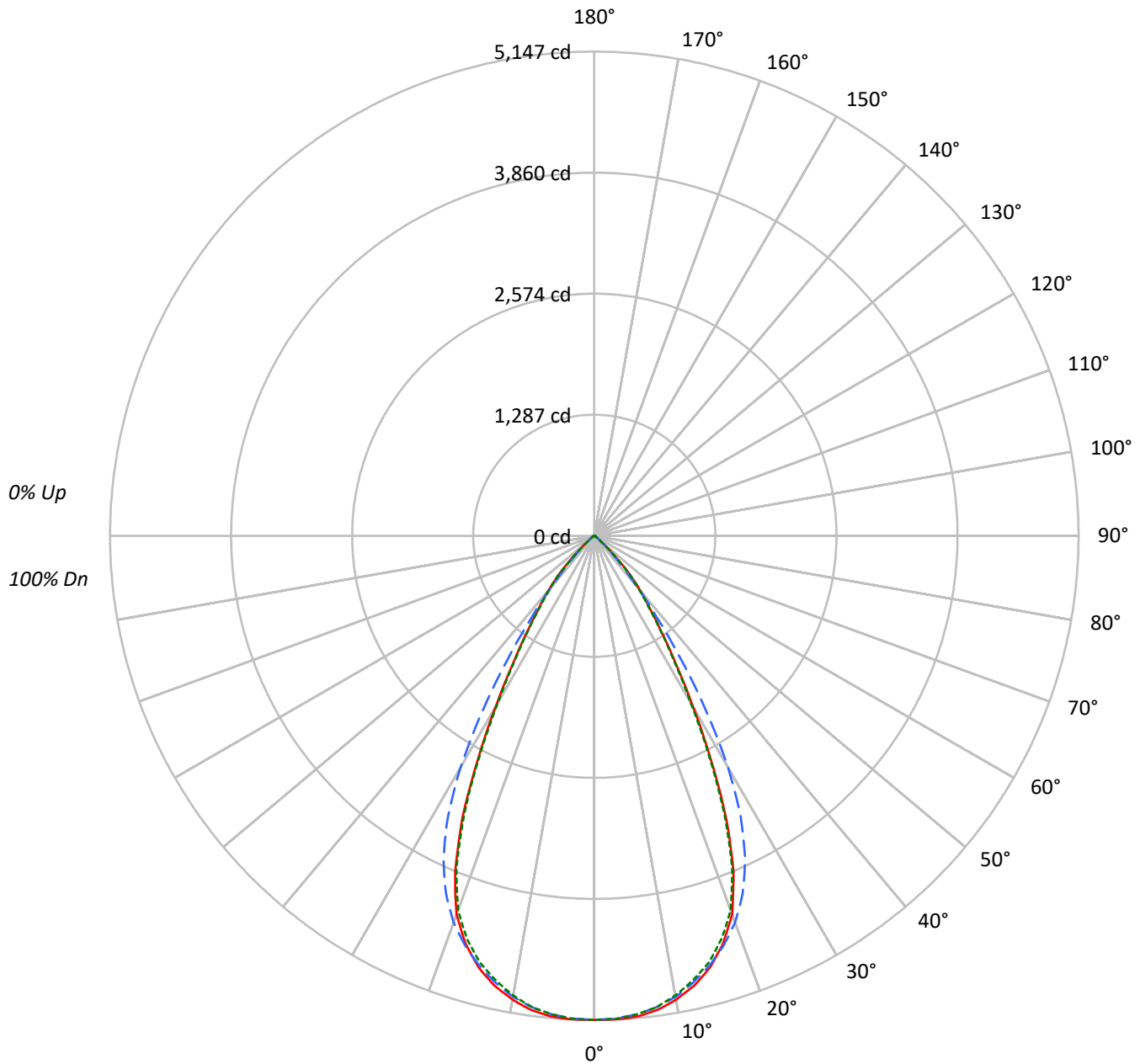
Lumens per Lamp: N/A
Luminaire Lumens: 4606.8 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106	111	109	106	104		105	103	101		101	100	98		97	96	95
2	108	103	99	96	106	102	98	95		98	95	93		95	93	91		93	91	89
3	103	96	91	88	101	95	90	87		92	89	85		90	87	84		88	85	83
4	98	90	85	80	96	89	84	80		87	82	79		85	81	78		83	80	77
5	93	84	79	74	91	84	78	74		82	77	73		80	76	73		79	75	72
6	88	79	73	69	87	79	73	69		77	72	68		76	71	68		74	71	68
7	84	75	69	65	82	74	68	64		73	68	64		71	67	64		70	66	63
8	80	70	64	60	79	70	64	60		69	64	60		68	63	60		67	63	59
9	76	66	61	57	75	66	60	57		65	60	56		64	60	56		63	59	56
10	72	63	57	53	71	62	57	53		62	57	53		61	56	53		60	56	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	496532	496532	496532
5°	497053	494767	494767
10°	490524	487633	486125
15°	474600	472362	469166
20°	439548	449138	434691
25°	353406	404009	348754
30°	233260	316766	227734
35°	145790	190209	143140
40°	95148	88145	91432
45°	45822	35178	43243
50°	11528	14020	10823
55°	6359	5770	6157
60°	4342	3647	4110
65°	2968	2694	2968
70°	2313	2003	2313
75°	1752	1752	1752
80°	1278	2000	2000
85°	1329	2546	2546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.0	10.5
10°-20°	1321.6	28.7
20°-30°	1575.0	34.2
30°-40°	891.8	19.4
40°-50°	275.7	6.0
50°-60°	38.3	0.8
60°-70°	13.1	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°	3380.6	73.4
0°-40°	4272.4	92.7
0°-60°	4586.4	99.6
0°-90°	4606.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4606.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5146	5146	5146	5146	5146	
5°	5132	5120	5108	5105	5108	486
15°	4751	4743	4729	4710	4697	1325
25°	3320	3513	3795	3519	3276	1480
35°	1238	1350	1615	1354	1215	806
45°	336	391	258	381	317	277
55°	38	38	34	37	37	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°	5146.0	5146.0	5146.0	5146.0	5146.0
2.5°	5147.1	5138.9	5136.6	5134.2	5138.9
5°	5131.8	5120.0	5108.2	5104.6	5108.2
7.5°	5088.0	5076.2	5056.2	5051.4	5055.0
10°	5006.5	4995.9	4977.0	4966.3	4961.6
12.5°	4898.9	4881.1	4863.4	4851.6	4839.8
15°	4751.1	4742.9	4728.7	4709.7	4696.7
17.5°	4546.7	4558.5	4566.7	4528.9	4494.6
20°	4280.7	4324.4	4374.1	4297.2	4233.4
22.5°	3865.7	3991.0	4117.5	3972.1	3830.3
25°	3319.5	3513.4	3794.8	3519.3	3275.8
27.5°	2682.4	2928.2	3371.5	2929.4	2646.9
30°	2093.6	2346.6	2843.1	2313.5	2044.0
32.5°	1607.8	1796.9	2221.3	1768.5	1573.5
35°	1237.7	1350.0	1614.8	1353.6	1215.2
37.5°	962.3	1019.0	1086.4	998.9	933.9
40°	755.4	757.8	699.8	745.9	725.9
42.5°	560.4	557.9	430.3	543.8	547.4
45°	335.8	391.3	257.8	380.6	316.9
47.5°	159.6	221.0	154.8	209.2	147.8
50°	76.8	106.4	93.4	99.3	72.1
52.5°	52.0	54.4	53.2	52.0	49.6
55°	37.8	37.8	34.3	36.6	36.6
57.5°	28.4	28.4	24.8	27.2	27.2
60°	22.5	21.3	18.9	21.3	21.3
62.5°	16.6	16.6	14.1	16.6	16.6
65°	13.0	13.0	11.8	13.0	13.0
67.5°	10.7	10.7	8.2	10.7	9.5
70°	8.2	8.2	7.1	8.2	8.2
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°	3.6	3.6	3.6	3.6	3.6
80°	2.3	2.3	3.6	3.6	3.6
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)