

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: METALUX

Report Number: P566573

Luminaire Tested: **4SNX-57SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-57SL-FDL-UNV-L950-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

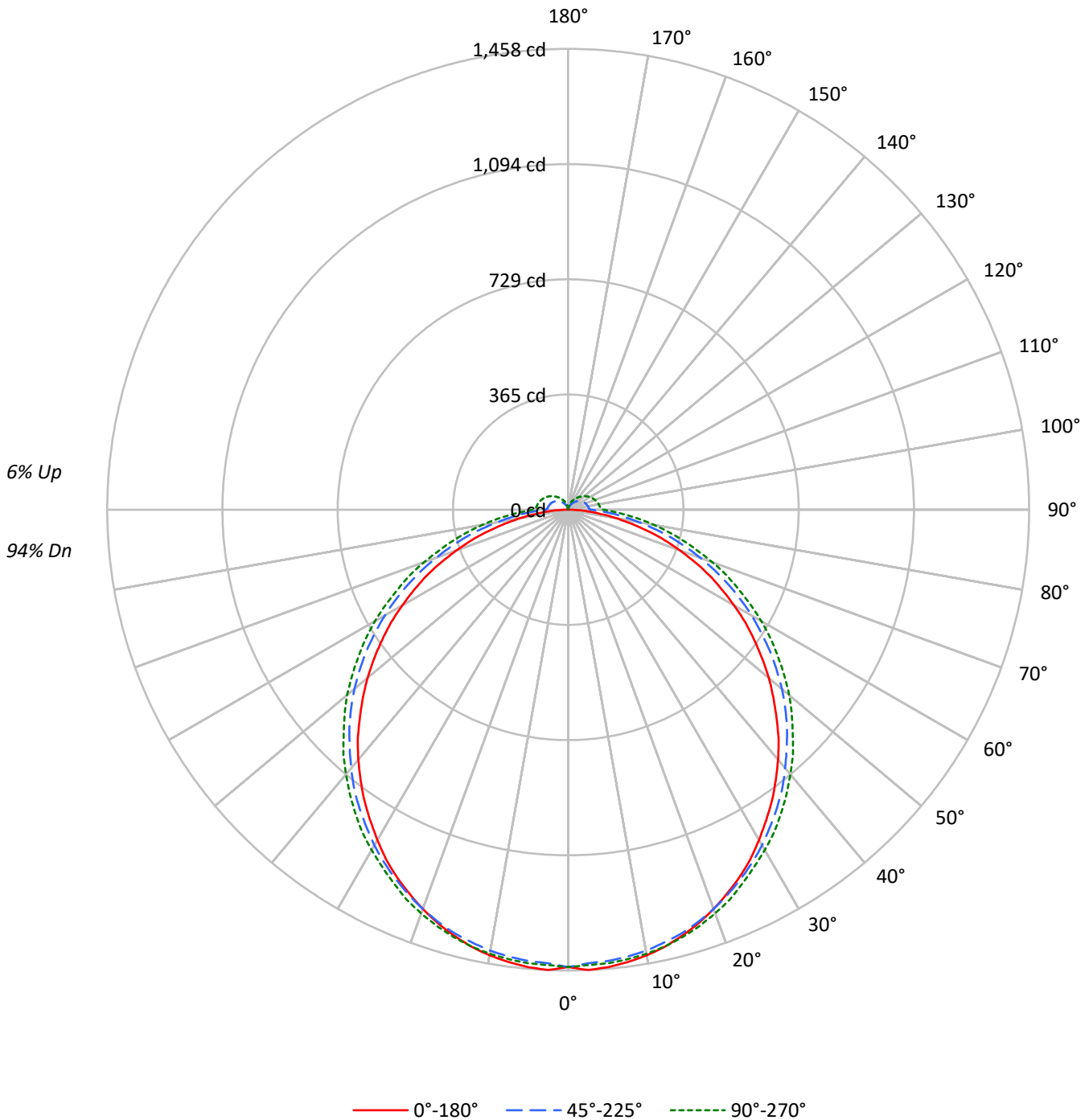
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4598.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 39.7
Input Voltage (V): NR
Input Current (A_{in}): 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: P566573
CATALOG NUMBER: 4SNX-57SL-FDL-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566573

CATALOG NUMBER: 4SNX-57SL-FDL-UNV-L950-CD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15574	15574	15574
5°	15681	15317	15340
10°	15616	15151	15146
15°	15500	14960	14931
20°	15340	14727	14677
25°	15157	14473	14375
30°	14909	14213	14097
35°	14659	13909	13806
40°	14382	13574	13480
45°	14034	13240	13100
50°	13697	12861	12752
55°	13280	12392	12269
60°	12810	11855	11792
65°	12312	11216	11138
70°	11461	10411	10459
75°	10432	9461	9646
80°	8914	8206	8744
85°	7008	7112	7686



TEST NUMBER: P566573

CATALOG NUMBER: 4SNX-57SL-FDL-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.2	3.0
10°-20°	393.8	8.6
20°-30°	596.7	13.0
30°-40°	720.4	15.7
40°-50°	752.2	16.4
50°-60°	691.1	15.0
60°-70°	546.5	11.9
70°-80°	345.9	7.5
80°-90°	148.7	3.2
90°-100°	65.4	1.4
100°-110°	58.6	1.3
110°-120°	49.5	1.1
120°-130°	38.6	0.8
130°-140°	26.7	0.6
140°-150°	16.0	0.3
150°-160°	7.8	0.2
160°-170°	2.7	0.1
170°-180°	0.4	0.0
0°-30°	1127.7	24.5
0°-40°	1848.0	40.2
0°-60°	3291.3	71.6
0°-90°	4332.4	94.2
90°-120°	173.5	3.8
90°-150°	254.7	5.5
90°-180°	266.0	5.8
0°-180°	4598.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1447	1447	1447	1447	1447	
5°	1453	1448	1433	1445	1440	138
15°	1395	1395	1388	1402	1400	394
25°	1282	1288	1290	1307	1304	591
35°	1124	1137	1151	1169	1173	702
45°	932	954	979	997	1004	719
55°	718	748	778	804	809	643
65°	494	522	559	585	594	487
75°	261	292	334	362	376	276
85°	64	98	140	170	181	70
90°	4	35	72	100	111	5
95°	1	30	65	91	101	1
105°	1	28	61	86	94	1
115°	1	24	55	77	86	1
125°	2	21	46	67	74	1
135°	2	16	38	53	59	1
145°	2	12	26	40	44	1
155°	2	8	17	25	30	1
165°	2	6	9	12	17	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566573

CATALOG NUMBER: 4SNX-57SL-FDL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1446.9	1446.9	1446.9	1446.9	1446.9
2.5°	1457.5	1452.6	1436.3	1447.7	1442.0
5°	1452.6	1448.5	1433.1	1445.3	1440.4
7.5°	1443.6	1440.4	1426.5	1439.6	1434.7
10°	1431.4	1429.0	1416.8	1429.8	1426.5
12.5°	1416.0	1415.1	1402.9	1417.6	1415.1
15°	1394.8	1394.8	1387.5	1402.1	1399.7
17.5°	1372.0	1372.8	1367.1	1382.6	1381.0
20°	1344.3	1348.4	1344.3	1360.6	1359.0
22.5°	1314.2	1319.9	1318.3	1334.5	1335.4
25°	1282.4	1288.1	1289.8	1306.9	1304.4
27.5°	1247.4	1256.4	1259.6	1275.1	1274.3
30°	1206.7	1218.9	1226.2	1239.3	1243.3
32.5°	1165.2	1179.8	1188.8	1206.7	1211.6
35°	1123.7	1136.7	1151.3	1169.2	1173.3
37.5°	1078.1	1092.7	1112.3	1129.4	1134.2
40°	1032.5	1048.7	1067.5	1086.2	1093.5
42.5°	985.2	1002.3	1022.7	1044.7	1052.0
45°	931.5	954.3	978.7	997.4	1004.0
47.5°	880.2	905.4	931.5	951.8	959.2
50°	828.1	855.0	882.6	901.4	912.8
52.5°	773.5	802.8	830.5	854.1	861.5
55°	718.2	747.5	778.4	803.7	809.4
57.5°	664.4	692.9	723.9	747.5	758.9
60°	605.8	636.7	670.1	693.7	705.9
62.5°	548.8	578.9	614.8	640.0	649.8
65°	494.2	521.9	558.6	584.6	593.6
67.5°	434.0	465.7	500.8	530.9	542.3
70°	374.6	404.7	444.6	473.1	484.5
72.5°	319.2	348.5	388.4	416.9	427.5
75°	260.6	291.5	333.8	362.3	376.2
77.5°	204.4	238.6	279.3	310.2	325.7
80°	152.3	182.4	226.4	260.6	274.4
82.5°	103.4	136.0	181.6	213.3	228.8
85°	63.5	97.7	140.0	170.2	180.8
87.5°	30.1	62.7	101.8	131.1	144.1
90°	4.1	35.0	71.7	100.2	110.7
92.5°	0.8	30.1	66.0	92.8	102.6
95°	0.8	30.1	65.1	91.2	101.0
97.5°	0.8	29.3	64.3	90.4	99.3
100°	0.8	28.5	63.5	88.8	98.5
102.5°	0.8	28.5	61.9	87.1	96.1
105°	0.8	27.7	61.1	85.5	94.5
107.5°	0.8	26.9	59.4	83.9	92.8
110°	0.8	25.2	58.6	81.4	90.4



TEST NUMBER: P566573

CATALOG NUMBER: 4SNX-57SL-FDL-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	24.4	57.0	79.8	87.9
115°	0.8	23.6	55.4	77.4	85.5
117.5°	0.8	22.8	52.9	74.9	83.1
120°	1.6	22.8	51.3	72.5	79.8
122.5°	1.6	22.0	48.9	69.2	76.5
125°	1.6	21.2	46.4	66.8	74.1
127.5°	1.6	20.4	44.0	63.5	70.0
130°	1.6	18.7	42.3	60.3	66.8
132.5°	1.6	17.9	39.9	56.2	62.7
135°	1.6	16.3	37.5	52.9	59.4
137.5°	1.6	15.5	35.0	49.7	55.4
140°	1.6	14.7	31.8	46.4	52.1
142.5°	1.6	13.0	29.3	43.2	48.0
145°	1.6	12.2	26.1	39.9	44.0
147.5°	1.6	10.6	23.6	36.6	40.7
150°	1.6	9.8	21.2	33.4	37.5
152.5°	1.6	9.0	18.7	29.3	33.4
155°	1.6	8.1	17.1	25.2	30.1
157.5°	1.6	7.3	14.7	22.0	26.9
160°	2.4	6.5	13.0	18.7	22.8
162.5°	2.4	5.7	10.6	15.5	20.4
165°	2.4	5.7	9.0	12.2	17.1
167.5°	2.4	4.9	7.3	9.8	13.8
170°	2.4	4.1	6.5	7.3	10.6
172.5°	2.4	3.3	4.9	4.9	5.7
175°	2.4	3.3	4.1	4.1	2.4
177.5°	2.4	2.4	2.4	2.4	1.6
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)