

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: P566619

Luminaire Tested: **4SNX-60SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566619
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-60SL-FDL-UNV-L935-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

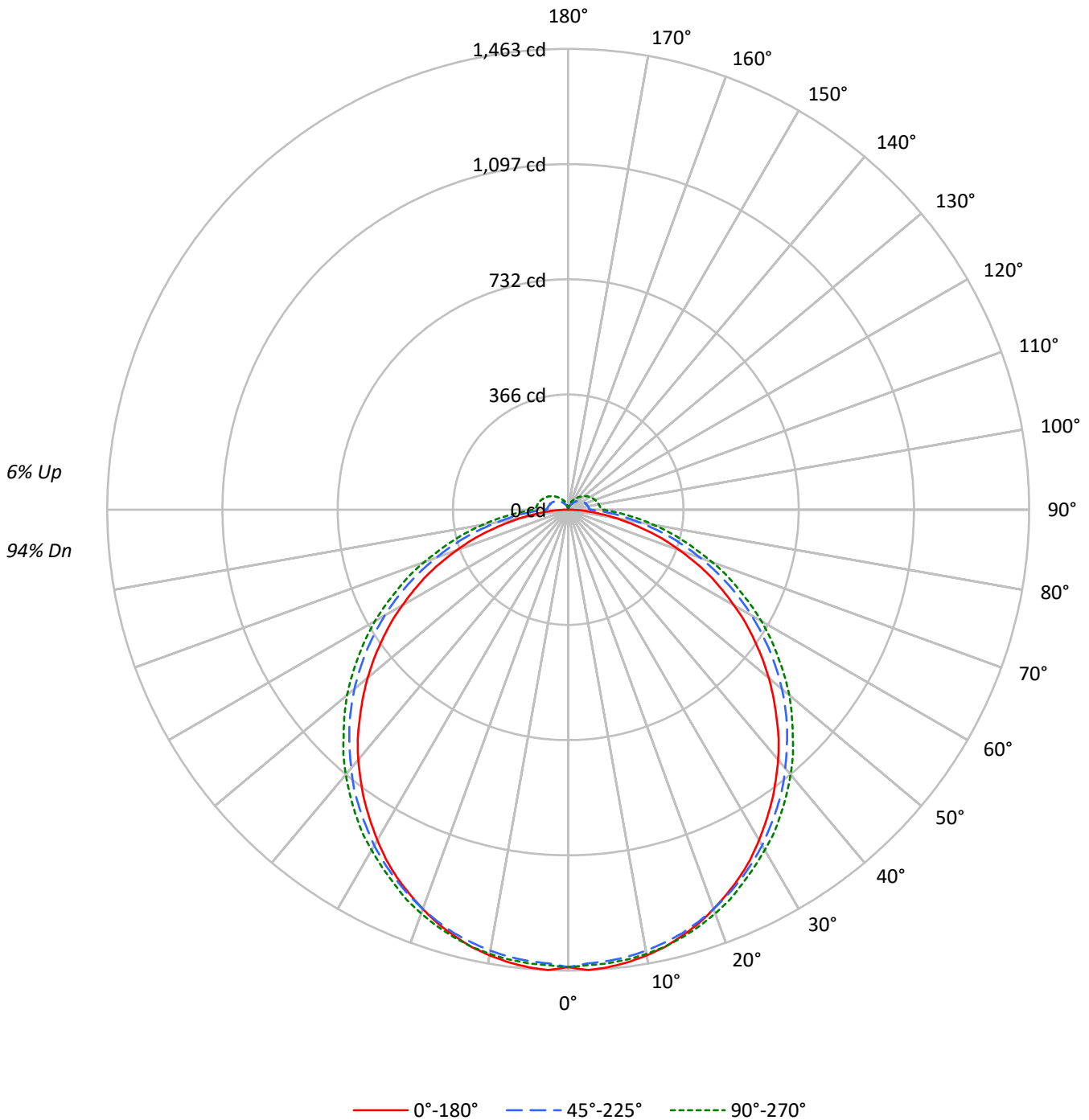
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4615.0 lumens
Efficiency: N/A
Efficacy: 109.9 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): 42
Input Voltage (V): NR
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	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°	15632	15632	15632
5°	15739	15374	15396
10°	15674	15207	15203
15°	15557	15015	14986
20°	15397	14782	14731
25°	15214	14526	14428
30°	14964	14266	14149
35°	14712	13961	13858
40°	14435	13623	13530
45°	14085	13289	13148
50°	13747	12909	12799
55°	13328	12438	12313
60°	12857	11899	11837
65°	12359	11256	11179
70°	11501	10448	10498
75°	10468	9498	9682
80°	8943	8235	8776
85°	7030	7142	7712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	3.0
10°-20°	395.2	8.6
20°-30°	598.9	13.0
30°-40°	723.0	15.7
40°-50°	755.0	16.4
50°-60°	693.6	15.0
60°-70°	548.5	11.9
70°-80°	347.1	7.5
80°-90°	149.2	3.2
90°-100°	65.7	1.4
100°-110°	58.8	1.3
110°-120°	49.6	1.1
120°-130°	38.7	0.8
130°-140°	26.8	0.6
140°-150°	16.1	0.3
150°-160°	7.8	0.2
160°-170°	2.7	0.1
170°-180°	0.4	0.0
0°-30°	1131.9	24.5
0°-40°	1854.9	40.2
0°-60°	3303.5	71.6
0°-90°	4348.4	94.2
90°-120°	174.1	3.8
90°-150°	255.6	5.5
90°-180°	267.0	5.8
0°-180°	4615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1458	1454	1438	1451	1446	138
15°	1400	1400	1393	1407	1405	395
25°	1287	1293	1294	1312	1309	593
35°	1128	1141	1156	1174	1178	705
45°	935	958	982	1001	1008	722
55°	721	750	781	807	812	645
65°	496	524	561	587	596	489
75°	262	293	335	364	378	277
85°	64	98	141	171	181	70
90°	4	35	72	100	111	5
95°	1	30	65	92	101	1
105°	1	28	61	86	95	1
115°	1	24	56	78	86	1
125°	2	21	47	67	74	1
135°	2	16	38	53	60	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1452.3	1452.3	1452.3	1452.3	1452.3
2.5°	1462.9	1458.0	1441.6	1453.1	1447.4
5°	1458.0	1453.9	1438.4	1450.6	1445.7
7.5°	1449.0	1445.7	1431.8	1444.9	1440.0
10°	1436.7	1434.3	1422.0	1435.1	1431.8
12.5°	1421.2	1420.4	1408.1	1422.8	1420.4
15°	1399.9	1399.9	1392.6	1407.3	1404.9
17.5°	1377.1	1377.9	1372.2	1387.7	1386.1
20°	1349.3	1353.4	1349.3	1365.6	1364.0
22.5°	1319.0	1324.8	1323.1	1339.5	1340.3
25°	1287.2	1292.9	1294.5	1311.7	1309.2
27.5°	1252.0	1261.0	1264.3	1279.8	1279.0
30°	1211.2	1223.4	1230.8	1243.9	1247.9
32.5°	1169.5	1184.2	1193.2	1211.2	1216.1
35°	1127.8	1140.9	1155.6	1173.6	1177.7
37.5°	1082.0	1096.7	1116.4	1133.5	1138.4
40°	1036.3	1052.6	1071.4	1090.2	1097.6
42.5°	988.9	1006.0	1026.5	1048.5	1055.9
45°	934.9	957.8	982.3	1001.1	1007.7
47.5°	883.4	908.8	934.9	955.4	962.7
50°	831.1	858.1	885.9	904.7	916.1
52.5°	776.4	805.8	833.6	857.3	864.7
55°	720.8	750.2	781.3	806.6	812.3
57.5°	666.9	695.5	726.5	750.2	761.7
60°	608.0	639.1	672.6	696.3	708.6
62.5°	550.8	581.1	617.0	642.4	652.2
65°	496.1	523.9	560.6	586.8	595.8
67.5°	435.6	467.5	502.6	532.8	544.3
70°	375.9	406.2	446.2	474.8	486.3
72.5°	320.4	349.8	389.8	418.4	429.1
75°	261.5	292.6	335.1	363.7	377.6
77.5°	205.1	239.5	280.3	311.4	326.9
80°	152.8	183.1	227.2	261.5	275.4
82.5°	103.8	136.5	182.2	214.1	229.6
85°	63.7	98.1	140.6	170.8	181.4
87.5°	30.2	62.9	102.2	131.6	144.7
90°	4.1	35.1	71.9	100.5	111.1
92.5°	0.8	30.2	66.2	93.2	103.0
95°	0.8	30.2	65.4	91.5	101.3
97.5°	0.8	29.4	64.6	90.7	99.7
100°	0.8	28.6	63.7	89.1	98.9
102.5°	0.8	28.6	62.1	87.4	96.4
105°	0.8	27.8	61.3	85.8	94.8
107.5°	0.8	27.0	59.7	84.2	93.2
110°	0.8	25.3	58.8	81.7	90.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	24.5	57.2	80.1	88.3
115°	0.8	23.7	55.6	77.6	85.8
117.5°	0.8	22.9	53.1	75.2	83.4
120°	1.6	22.9	51.5	72.7	80.1
122.5°	1.6	22.1	49.0	69.5	76.8
125°	1.6	21.2	46.6	67.0	74.4
127.5°	1.6	20.4	44.1	63.7	70.3
130°	1.6	18.8	42.5	60.5	67.0
132.5°	1.6	18.0	40.0	56.4	62.9
135°	1.6	16.3	37.6	53.1	59.7
137.5°	1.6	15.5	35.1	49.9	55.6
140°	1.6	14.7	31.9	46.6	52.3
142.5°	1.6	13.1	29.4	43.3	48.2
145°	1.6	12.3	26.2	40.0	44.1
147.5°	1.6	10.6	23.7	36.8	40.9
150°	1.6	9.8	21.2	33.5	37.6
152.5°	1.6	9.0	18.8	29.4	33.5
155°	1.6	8.2	17.2	25.3	30.2
157.5°	1.6	7.4	14.7	22.1	27.0
160°	2.5	6.5	13.1	18.8	22.9
162.5°	2.5	5.7	10.6	15.5	20.4
165°	2.5	5.7	9.0	12.3	17.2
167.5°	2.5	4.9	7.4	9.8	13.9
170°	2.5	4.1	6.5	7.4	10.6
172.5°	2.5	3.3	4.9	4.9	5.7
175°	2.5	3.3	4.1	4.1	2.5
177.5°	2.5	2.5	2.5	2.5	1.6
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)