

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: P566650

Luminaire Tested: **4SNX-60SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-60SL-SLW-UNV-L930-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

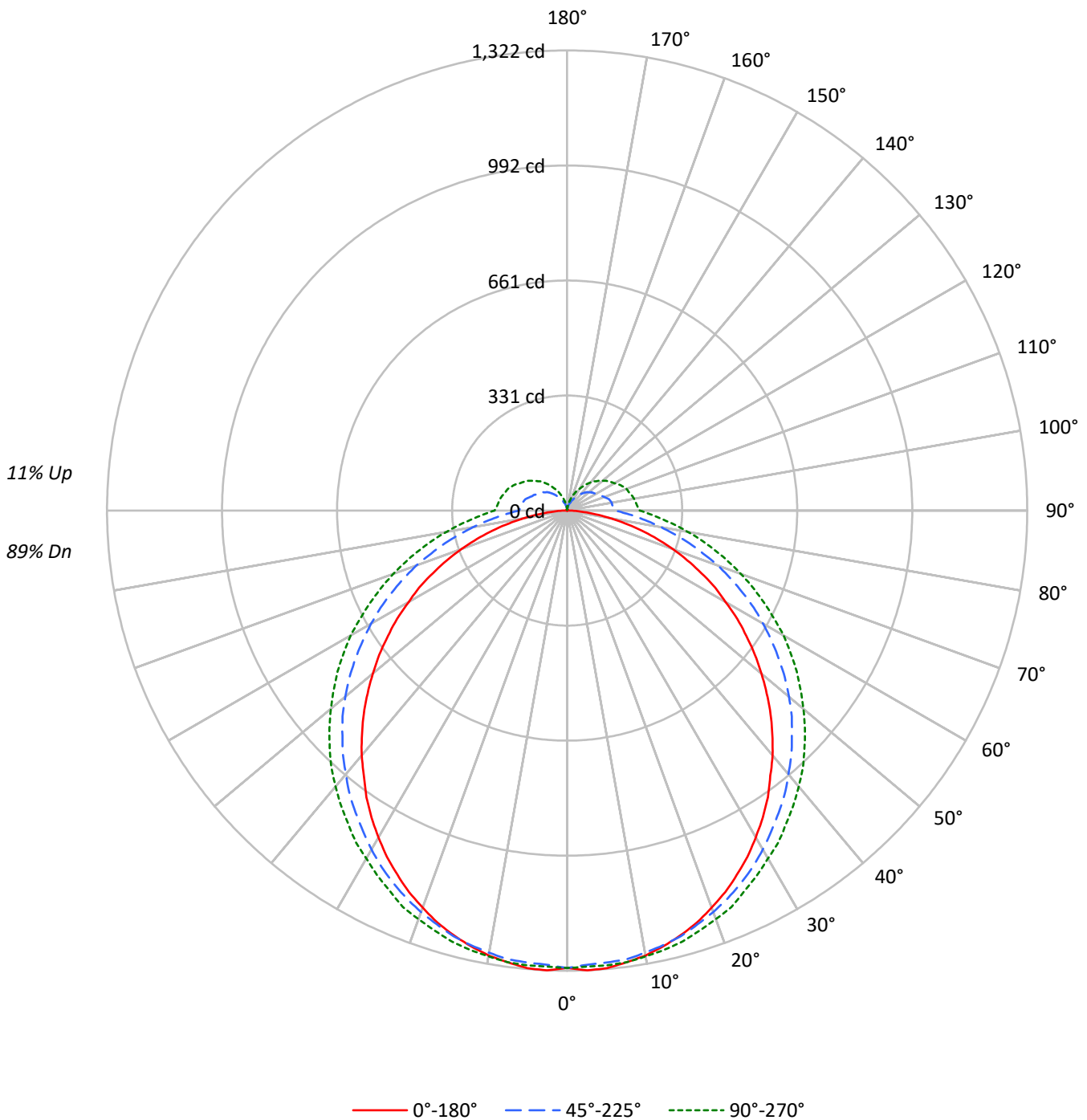
Lumens per Lamp: N/A
Luminaire Lumens: 4678.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14145	14145	14145
5°	14231	13780	13770
10°	14133	13503	13428
15°	13992	13217	13114
20°	13800	12889	12765
25°	13577	12568	12400
30°	13311	12216	12038
35°	13019	11851	11699
40°	12685	11490	11374
45°	12324	11125	11023
50°	11910	10737	10631
55°	11457	10273	10244
60°	10922	9776	9814
65°	10373	9216	9272
70°	9599	8601	8740
75°	8577	7821	8152
80°	6910	7024	7573
85°	4872	6343	6978



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	2.7
10°-20°	358.7	7.7
20°-30°	545.5	11.7
30°-40°	662.2	14.2
40°-50°	699.7	15.0
50°-60°	654.8	14.0
60°-70°	537.2	11.5
70°-80°	369.5	7.9
80°-90°	202.4	4.3
90°-100°	130.3	2.8
100°-110°	116.9	2.5
110°-120°	96.8	2.1
120°-130°	74.5	1.6
130°-140°	52.4	1.1
140°-150°	31.6	0.7
150°-160°	15.1	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	1029.1	22.0
0°-40°	1691.2	36.2
0°-60°	3045.7	65.1
0°-90°	4154.9	88.8
90°-120°	344.0	7.4
90°-150°	502.5	10.7
90°-180°	523.0	11.2
0°-180°	4678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1314	1314	1314	1314	1314	
5°	1320	1317	1303	1314	1311	125
15°	1263	1268	1265	1282	1282	356
25°	1154	1168	1181	1206	1206	532
35°	1005	1030	1059	1089	1097	628
45°	826	864	913	954	964	637
55°	629	680	742	788	805	563
65°	425	482	555	607	623	421
75°	222	282	363	420	439	234
85°	49	116	198	252	271	56
90°	0	65	138	190	209	3
95°	0	62	133	182	200	0
105°	0	52	125	171	187	2
115°	3	46	106	152	171	3
125°	3	38	89	130	146	2
135°	3	30	73	106	119	2
145°	3	22	52	81	89	2
155°	3	14	32	52	60	1
165°	3	8	16	24	30	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1314.1	1314.1	1314.1	1314.1	1314.1
2.5°	1322.2	1319.5	1305.9	1316.8	1311.4
5°	1319.5	1316.8	1303.2	1314.1	1311.4
7.5°	1308.6	1308.6	1300.5	1311.4	1308.6
10°	1297.8	1297.8	1289.7	1303.2	1300.5
12.5°	1281.5	1284.3	1278.8	1295.1	1292.4
15°	1262.6	1268.0	1265.3	1281.5	1281.5
17.5°	1240.9	1246.3	1246.3	1265.3	1265.3
20°	1213.8	1221.9	1227.4	1249.0	1249.0
22.5°	1186.7	1197.6	1205.7	1224.7	1232.8
25°	1154.2	1167.8	1181.3	1205.7	1205.7
27.5°	1121.7	1137.9	1154.2	1178.6	1181.3
30°	1083.8	1102.7	1124.4	1148.8	1154.2
32.5°	1045.8	1070.2	1091.9	1121.7	1129.8
35°	1005.2	1029.6	1059.4	1089.2	1097.3
37.5°	959.1	988.9	1026.9	1059.4	1067.5
40°	918.5	951.0	988.9	1026.9	1035.0
42.5°	872.4	907.7	953.7	988.9	1002.5
45°	826.4	864.3	913.1	953.7	964.5
47.5°	777.6	820.9	875.1	913.1	926.6
50°	728.8	774.9	831.8	875.1	886.0
52.5°	680.1	728.8	788.4	831.8	845.3
55°	628.6	680.1	742.4	788.4	804.7
57.5°	579.8	631.3	696.3	745.1	761.3
60°	525.6	585.2	650.3	699.0	718.0
62.5°	479.6	533.8	604.2	653.0	669.2
65°	425.4	482.3	555.4	606.9	623.2
67.5°	373.9	433.5	506.7	560.8	577.1
70°	322.4	382.0	460.6	512.1	531.0
72.5°	270.9	333.3	409.1	466.0	485.0
75°	222.2	281.8	363.1	420.0	438.9
77.5°	170.7	235.7	317.0	373.9	395.6
80°	124.6	192.4	273.6	330.5	352.2
82.5°	84.0	151.7	233.0	289.9	311.6
85°	48.8	116.5	197.8	252.0	270.9
87.5°	24.4	89.4	165.3	219.5	238.4
90°	0.0	65.0	138.2	189.7	208.6
92.5°	0.0	62.3	135.5	184.2	203.2
95°	0.0	62.3	132.8	181.5	200.5
97.5°	0.0	59.6	130.1	181.5	197.8
100°	0.0	56.9	130.1	178.8	195.1
102.5°	0.0	54.2	127.3	176.1	192.4
105°	0.0	51.5	124.6	170.7	186.9
107.5°	2.7	51.5	119.2	168.0	184.2
110°	2.7	48.8	113.8	165.3	181.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	46.1	108.4	159.9	176.1
115°	2.7	46.1	105.7	151.7	170.7
117.5°	2.7	43.4	100.2	146.3	165.3
120°	2.7	43.4	97.5	140.9	157.1
122.5°	2.7	40.6	92.1	135.5	151.7
125°	2.7	37.9	89.4	130.1	146.3
127.5°	2.7	35.2	86.7	124.6	140.9
130°	2.7	32.5	81.3	119.2	132.8
132.5°	2.7	32.5	78.6	111.1	127.3
135°	2.7	29.8	73.2	105.7	119.2
137.5°	2.7	27.1	67.7	100.2	113.8
140°	2.7	24.4	62.3	94.8	105.7
142.5°	2.7	24.4	56.9	86.7	97.5
145°	2.7	21.7	51.5	81.3	89.4
147.5°	2.7	19.0	46.1	73.2	81.3
150°	2.7	19.0	40.6	65.0	73.2
152.5°	2.7	16.3	35.2	59.6	67.7
155°	2.7	13.5	32.5	51.5	59.6
157.5°	2.7	13.5	27.1	43.4	51.5
160°	2.7	10.8	24.4	35.2	43.4
162.5°	2.7	10.8	21.7	29.8	37.9
165°	2.7	8.1	16.3	24.4	29.8
167.5°	2.7	8.1	13.5	19.0	24.4
170°	2.7	5.4	10.8	13.5	19.0
172.5°	2.7	5.4	8.1	8.1	8.1
175°	2.7	2.7	5.4	5.4	2.7
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)