

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: P566644

Luminaire Tested: **4SNX-60SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566644
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-LW-UNV-L940-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

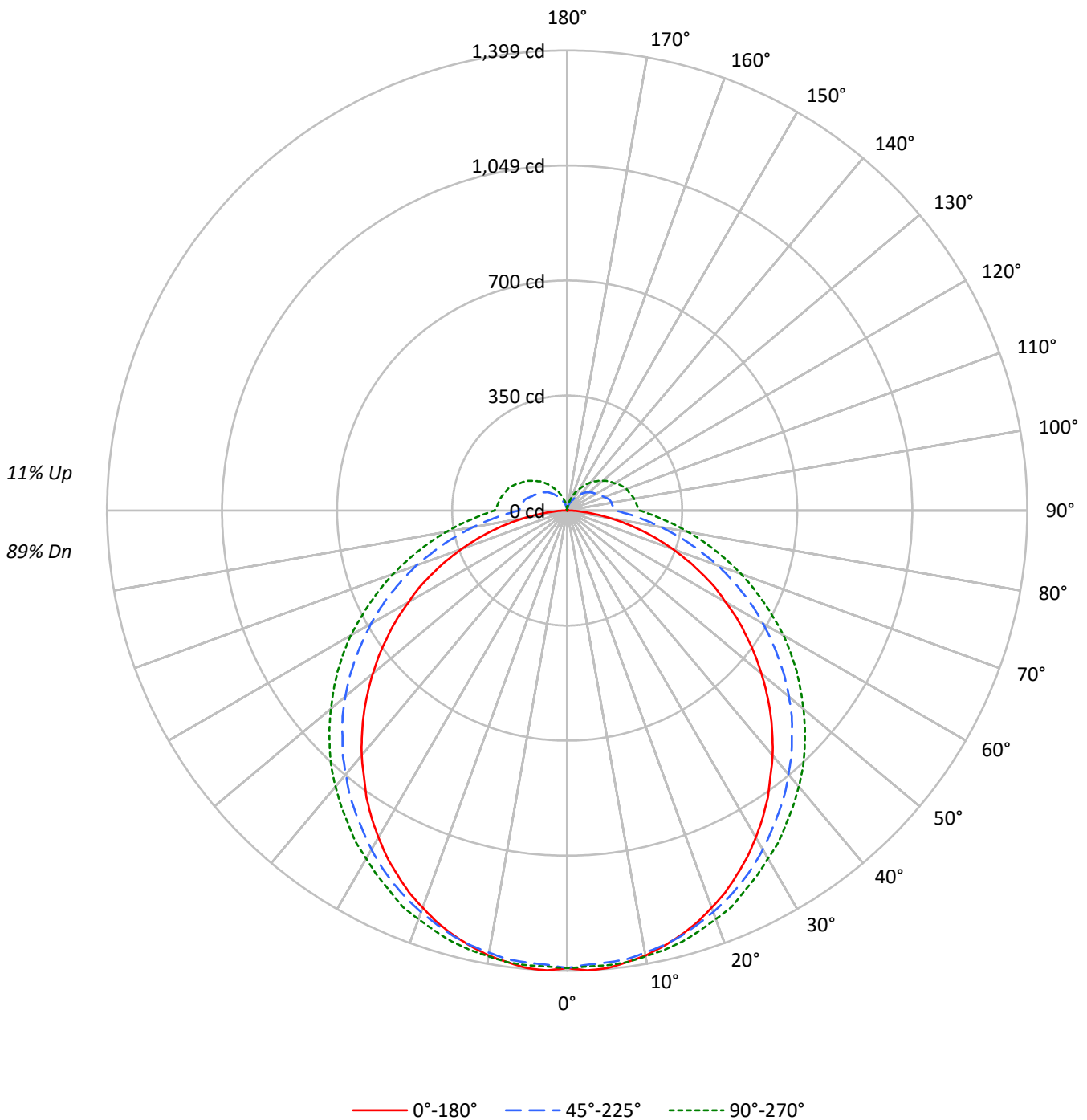
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4951.0 lumens
Efficiency: N/A
Efficacy: 117.9 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: 0.17')
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°	14969	14969	14969
5°	15034	14278	14170
10°	14903	13708	13462
15°	14727	13157	12823
20°	14495	12585	12185
25°	14232	12037	11561
30°	13921	11473	10963
35°	13584	10907	10403
40°	13198	10354	9870
45°	12781	9802	9323
50°	12307	9231	8750
55°	11784	8596	8188
60°	11170	7933	7592
65°	10526	7218	6913
70°	9635	6457	6246
75°	8462	5569	5538
80°	6613	4674	4834
85°	4317	3844	4109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.1	2.7
10°-20°	379.7	7.7
20°-30°	577.3	11.7
30°-40°	700.8	14.2
40°-50°	740.6	15.0
50°-60°	693.0	14.0
60°-70°	568.6	11.5
70°-80°	391.1	7.9
80°-90°	214.2	4.3
90°-100°	137.9	2.8
100°-110°	123.8	2.5
110°-120°	102.4	2.1
120°-130°	78.9	1.6
130°-140°	55.4	1.1
140°-150°	33.4	0.7
150°-160°	16.0	0.3
160°-170°	5.2	0.1
170°-180°	0.6	0.0
0°-30°	1089.1	22.0
0°-40°	1789.9	36.2
0°-60°	3223.5	65.1
0°-90°	4397.3	88.8
90°-120°	364.1	7.4
90°-150°	531.8	10.7
90°-180°	554.0	11.2
0°-180°	4951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1391	1391	1391	1391	1391	
5°	1396	1394	1379	1391	1388	132
15°	1336	1342	1339	1356	1356	377
25°	1222	1236	1250	1276	1276	563
35°	1064	1090	1121	1153	1161	665
45°	875	915	966	1009	1021	674
55°	665	720	786	834	852	595
65°	450	510	588	642	660	446
75°	235	298	384	444	464	248
85°	52	123	209	267	287	60
90°	0	69	146	201	221	4
95°	0	66	140	192	212	0
105°	0	54	132	181	198	2
115°	3	49	112	161	181	3
125°	3	40	95	138	155	3
135°	3	32	77	112	126	2
145°	3	23	54	86	95	2
155°	3	14	34	54	63	1
165°	3	9	17	26	32	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1390.7	1390.7	1390.7	1390.7	1390.7
2.5°	1399.4	1396.5	1382.1	1393.6	1387.9
5°	1396.5	1393.6	1379.3	1390.7	1387.9
7.5°	1385.0	1385.0	1376.4	1387.9	1385.0
10°	1373.5	1373.5	1364.9	1379.3	1376.4
12.5°	1356.3	1359.2	1353.5	1370.7	1367.8
15°	1336.3	1342.0	1339.1	1356.3	1356.3
17.5°	1313.3	1319.1	1319.1	1339.1	1339.1
20°	1284.6	1293.3	1299.0	1321.9	1321.9
22.5°	1256.0	1267.4	1276.0	1296.1	1304.7
25°	1221.6	1235.9	1250.2	1276.0	1276.0
27.5°	1187.2	1204.4	1221.6	1247.4	1250.2
30°	1147.0	1167.1	1190.0	1215.8	1221.6
32.5°	1106.9	1132.7	1155.6	1187.2	1195.8
35°	1063.9	1089.7	1121.2	1152.7	1161.3
37.5°	1015.1	1046.6	1086.8	1121.2	1129.8
40°	972.1	1006.5	1046.6	1086.8	1095.4
42.5°	923.3	960.6	1009.4	1046.6	1061.0
45°	874.6	914.7	966.4	1009.4	1020.8
47.5°	823.0	868.9	926.2	966.4	980.7
50°	771.4	820.1	880.3	926.2	937.7
52.5°	719.7	771.4	834.4	880.3	894.7
55°	665.3	719.7	785.7	834.4	851.7
57.5°	613.6	668.1	737.0	788.6	805.8
60°	556.3	619.4	688.2	739.8	759.9
62.5°	507.6	564.9	639.5	691.1	708.3
65°	450.2	510.4	587.8	642.3	659.5
67.5°	395.7	458.8	536.2	593.6	610.8
70°	341.2	404.3	487.5	542.0	562.0
72.5°	286.8	352.7	433.0	493.2	513.3
75°	235.1	298.2	384.2	444.5	464.5
77.5°	180.7	249.5	335.5	395.7	418.7
80°	131.9	203.6	289.6	349.8	372.8
82.5°	88.9	160.6	246.6	306.8	329.8
85°	51.6	123.3	209.3	266.7	286.8
87.5°	25.8	94.6	174.9	232.3	252.3
90°	0.0	68.8	146.2	200.7	220.8
92.5°	0.0	66.0	143.4	195.0	215.1
95°	0.0	66.0	140.5	192.1	212.2
97.5°	0.0	63.1	137.6	192.1	209.3
100°	0.0	60.2	137.6	189.3	206.5
102.5°	0.0	57.4	134.8	186.4	203.6
105°	0.0	54.5	131.9	180.7	197.9
107.5°	2.9	54.5	126.2	177.8	195.0
110°	2.9	51.6	120.4	174.9	192.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	48.7	114.7	169.2	186.4
115°	2.9	48.7	111.8	160.6	180.7
117.5°	2.9	45.9	106.1	154.8	174.9
120°	2.9	45.9	103.2	149.1	166.3
122.5°	2.9	43.0	97.5	143.4	160.6
125°	2.9	40.1	94.6	137.6	154.8
127.5°	2.9	37.3	91.8	131.9	149.1
130°	2.9	34.4	86.0	126.2	140.5
132.5°	2.9	34.4	83.2	117.6	134.8
135°	2.9	31.5	77.4	111.8	126.2
137.5°	2.9	28.7	71.7	106.1	120.4
140°	2.9	25.8	66.0	100.4	111.8
142.5°	2.9	25.8	60.2	91.8	103.2
145°	2.9	22.9	54.5	86.0	94.6
147.5°	2.9	20.1	48.7	77.4	86.0
150°	2.9	20.1	43.0	68.8	77.4
152.5°	2.9	17.2	37.3	63.1	71.7
155°	2.9	14.3	34.4	54.5	63.1
157.5°	2.9	14.3	28.7	45.9	54.5
160°	2.9	11.5	25.8	37.3	45.9
162.5°	2.9	11.5	22.9	31.5	40.1
165°	2.9	8.6	17.2	25.8	31.5
167.5°	2.9	8.6	14.3	20.1	25.8
170°	2.9	5.7	11.5	14.3	20.1
172.5°	2.9	5.7	8.6	8.6	8.6
175°	2.9	2.9	5.7	5.7	2.9
177.5°	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)