

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: P566156

Luminaire Tested: **4SNX-22SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-LN-UNV-L940-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

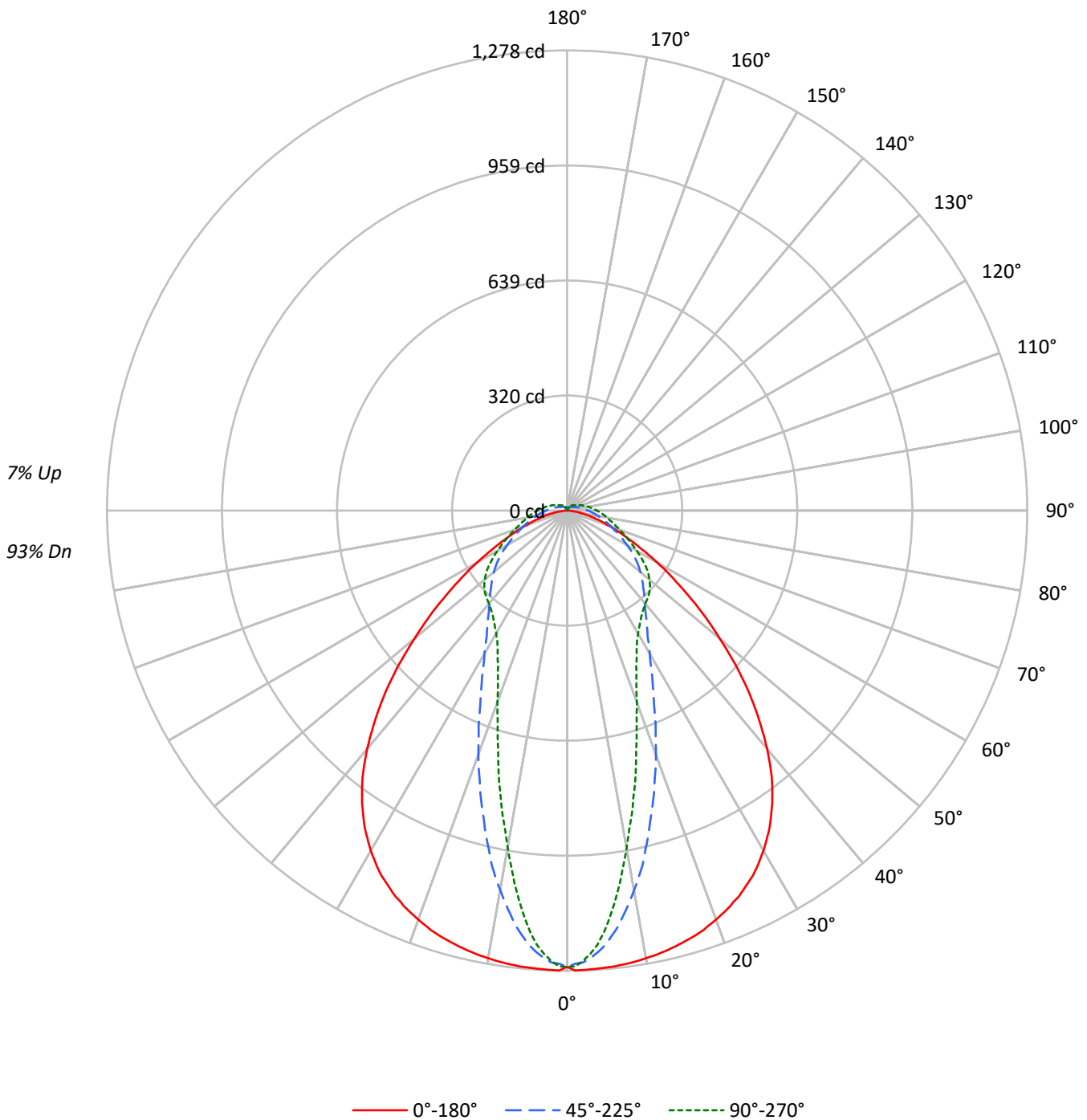
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2020.0 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.8
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

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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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13640	13640	13640
5°	13711	12537	11997
10°	13692	10749	9308
15°	13685	8768	6977
20°	13642	6984	5221
25°	13518	5473	4143
30°	13234	4430	3534
35°	12678	3748	3215
40°	11729	3309	3043
45°	10427	3028	2949
50°	8833	2786	2785
55°	7257	2525	2545
60°	5803	2221	2232
65°	4505	1950	1942
70°	3499	1724	1718
75°	2707	1549	1565
80°	1910	1419	1455
85°	1062	1322	1395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	5.6
10°-20°	263.0	13.0
20°-30°	312.2	15.5
30°-40°	314.1	15.6
40°-50°	292.0	14.5
50°-60°	240.4	11.9
60°-70°	169.4	8.4
70°-80°	110.7	5.5
80°-90°	70.7	3.5
90°-100°	46.3	2.3
100°-110°	31.5	1.6
110°-120°	21.6	1.1
120°-130°	14.9	0.7
130°-140°	10.0	0.5
140°-150°	6.2	0.3
150°-160°	3.2	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	687.5	34.0
0°-40°	1001.6	49.6
0°-60°	1534.1	75.9
0°-90°	1884.9	93.3
90°-120°	99.4	4.9
90°-150°	130.5	6.5
90°-180°	135.0	6.7
0°-180°	2020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1267	1267	1267	1267	1267	
5°	1274	1257	1211	1188	1175	121
15°	1242	1110	892	780	738	351
25°	1160	858	568	478	457	534
35°	993	580	385	361	359	618
45°	714	382	298	314	323	548
55°	410	251	231	256	265	370
65°	193	151	159	179	185	195
75°	75	78	107	126	131	81
85°	13	36	72	93	97	16
90°	0	24	58	79	83	1
95°	0	18	49	67	70	0
105°	0	13	33	47	51	0
115°	1	11	23	34	36	1
125°	1	8	19	24	26	1
135°	1	7	15	19	20	1
145°	1	5	11	15	16	1
155°	1	4	7	11	12	1
165°	1	2	4	5	6	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1267.2	1267.2	1267.2	1267.2	1267.2
1°	1277.8	1272.5	1258.7	1268.3	1266.1
2°	1276.7	1271.4	1255.6	1259.8	1252.4
3°	1275.7	1268.3	1243.9	1242.9	1232.3
4°	1274.6	1263.0	1229.1	1216.4	1207.9
5°	1273.6	1256.6	1211.1	1187.8	1175.1
6°	1272.5	1249.2	1187.8	1152.9	1134.9
7°	1270.4	1237.6	1163.5	1115.8	1092.5
8°	1268.3	1227.0	1132.8	1075.6	1047.0
9°	1266.1	1213.2	1102.1	1032.2	998.3
10°	1261.9	1199.5	1070.3	987.7	951.7
11°	1259.8	1183.6	1039.6	945.4	903.0
12°	1255.6	1166.6	1006.8	900.9	863.9
13°	1251.3	1148.6	966.5	862.8	818.3
14°	1247.1	1129.6	931.6	820.5	779.2
15°	1241.8	1109.5	892.4	780.2	737.9
16°	1236.5	1086.2	857.5	738.9	694.5
17°	1231.2	1063.9	824.7	700.8	660.6
18°	1224.9	1041.7	786.6	663.8	624.6
19°	1216.4	1016.3	755.9	629.9	593.9
20°	1209.0	993.0	720.9	598.1	566.4
21°	1200.5	964.4	686.0	568.5	536.7
22.5°	1187.8	924.2	641.5	531.4	501.8
23°	1181.5	912.6	623.5	517.7	492.3
24°	1173.0	881.9	593.9	496.5	471.1
25°	1160.3	857.5	568.5	477.5	457.3
26°	1148.6	827.9	543.1	460.5	440.4
27°	1137.0	799.3	520.9	442.5	425.6
28°	1122.2	769.6	496.5	427.7	412.9
29°	1106.3	742.1	476.4	415.0	403.3
30°	1090.4	711.4	459.5	403.3	393.8
32.5°	1045.9	643.7	416.1	381.1	374.8
35°	993.0	580.1	385.3	361.0	358.9
37.5°	933.7	521.9	357.8	345.1	347.2
40°	863.9	469.0	334.5	333.5	337.7
42.5°	789.8	423.5	316.5	323.9	330.3
45°	713.5	382.2	298.5	314.4	322.9
47.5°	634.1	346.2	282.7	302.8	312.3
50°	553.7	311.2	265.7	289.0	298.5
52.5°	481.7	280.5	248.8	273.1	283.7
55°	409.7	250.9	230.8	256.2	264.7
57.5°	347.2	223.4	211.7	237.1	243.5
60°	289.0	196.9	192.7	216.0	223.4
62.5°	236.1	173.6	174.7	196.9	204.3
65°	192.7	151.4	158.8	178.9	185.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	156.7	130.2	142.9	164.1	169.4
70°	123.9	111.2	130.2	149.3	154.6
72.5°	98.5	94.2	117.5	137.6	141.9
75°	75.2	78.3	106.9	126.0	131.3
77.5°	54.0	65.6	96.3	116.5	120.7
80°	38.1	54.0	87.9	108.0	112.2
82.5°	24.3	44.5	79.4	100.6	104.8
85°	12.7	36.0	72.0	93.2	97.4
87.5°	5.3	29.6	64.6	85.8	90.0
90°	0.0	24.3	58.2	79.4	82.6
92.5°	0.0	21.2	52.9	73.0	76.2
95°	0.0	18.0	48.7	66.7	69.9
97.5°	0.0	16.9	43.4	61.4	64.6
100°	0.0	14.8	39.2	56.1	60.3
102.5°	0.0	13.8	36.0	50.8	55.0
105°	0.0	12.7	32.8	46.6	50.8
107.5°	0.0	11.6	30.7	43.4	46.6
110°	0.0	11.6	27.5	40.2	43.4
112.5°	1.1	10.6	25.4	36.0	39.2
115°	1.1	10.6	23.3	33.9	36.0
117.5°	1.1	10.6	22.2	30.7	32.8
120°	1.1	9.5	21.2	28.6	30.7
122.5°	1.1	9.5	20.1	26.5	27.5
125°	1.1	8.5	19.1	24.3	26.5
127.5°	1.1	8.5	18.0	23.3	24.3
130°	1.1	8.5	16.9	21.2	23.3
132.5°	1.1	7.4	15.9	20.1	21.2
135°	1.1	7.4	14.8	19.1	20.1
137.5°	1.1	6.4	13.8	18.0	19.1
140°	1.1	6.4	12.7	16.9	18.0
142.5°	1.1	5.3	11.6	15.9	16.9
145°	1.1	5.3	10.6	14.8	15.9
147.5°	1.1	5.3	9.5	13.8	14.8
150°	1.1	4.2	8.5	12.7	13.8
152.5°	1.1	4.2	7.4	11.6	12.7
155°	1.1	4.2	7.4	10.6	11.6
157.5°	1.1	3.2	6.4	8.5	10.6
160°	1.1	3.2	5.3	7.4	9.5
162.5°	1.1	3.2	5.3	6.4	7.4
165°	1.1	2.1	4.2	5.3	6.4
167.5°	1.1	2.1	3.2	4.2	5.3
170°	1.1	2.1	3.2	3.2	4.2
172.5°	1.1	2.1	2.1	2.1	2.1
175°	2.1	2.1	2.1	2.1	1.1
177.5°	2.1	2.1	2.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)