

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: P566421

Luminaire Tested: **4SNX-41SL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566421  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-41SL-UNV-L950-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

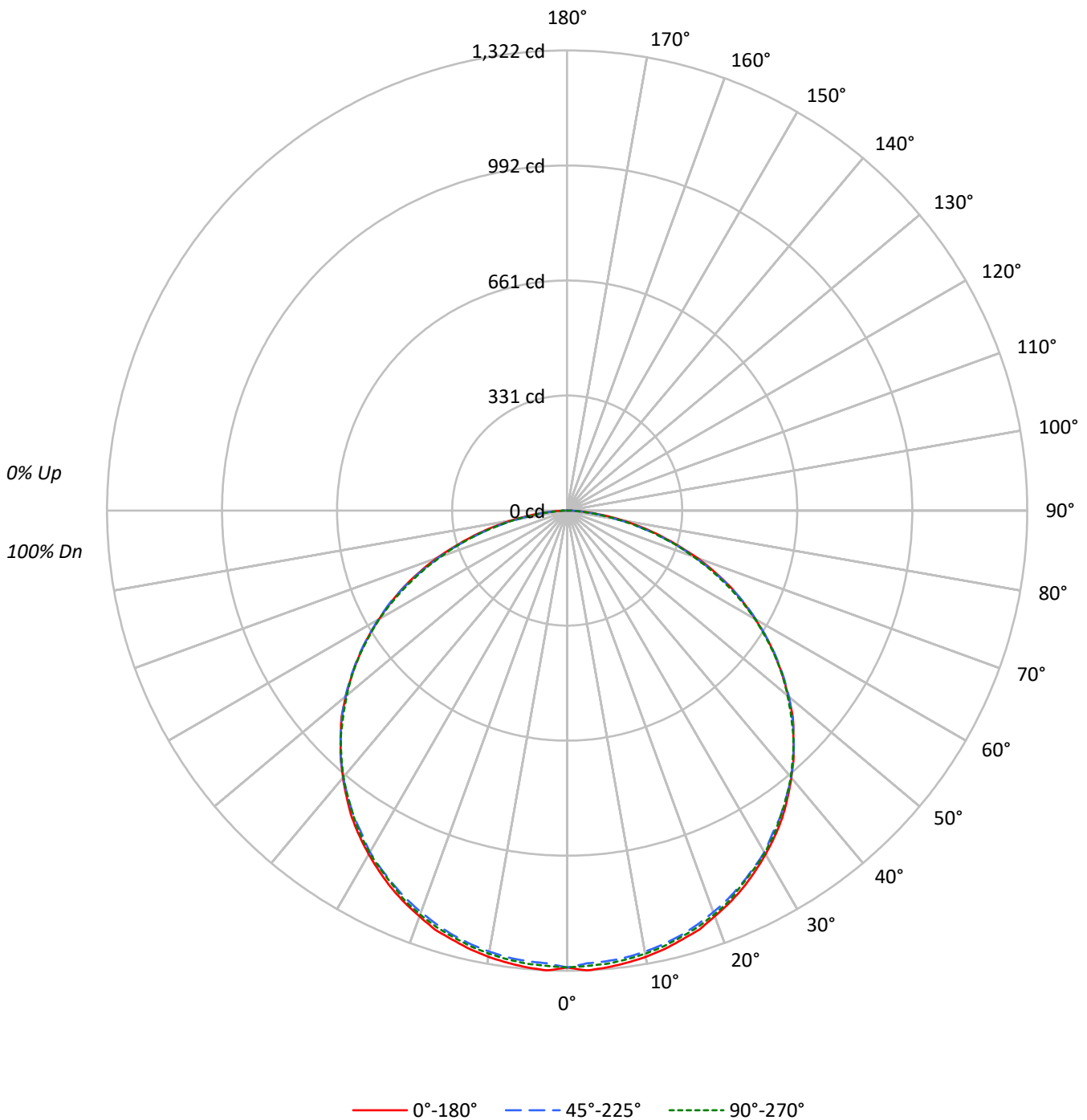
Lumens per Lamp: N/A  
Luminaire Lumens: 3925.0 lumens  
Efficiency: N/A  
Efficacy: 149.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	14130	14130	14130
5°	14235	14043	14120
10°	14232	14064	14128
15°	14220	14076	14129
20°	14212	14063	14144
25°	14202	14062	14090
30°	14174	14086	14114
35°	14163	14054	14069
40°	14082	14067	14050
45°	13999	14017	13999
50°	13897	13937	13837
55°	13713	13758	13690
60°	13444	13494	13418
65°	13170	13079	12898
70°	12519	12261	12110
75°	11441	11046	11096
80°	9881	9149	9366
85°	7435	7138	6410



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.5	3.2
10°-20°	358.8	9.1
20°-30°	549.0	14.0
30°-40°	671.3	17.1
40°-50°	710.1	18.1
50°-60°	654.3	16.7
60°-70°	504.2	12.8
70°-80°	282.5	7.2
80°-90°	70.2	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1032.4	26.3
0°-40°	1703.7	43.4
0°-60°	3068.1	78.2
0°-90°	3925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3925.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1313	1313	1313	1313	1313	
5°	1317	1313	1300	1313	1307	125
15°	1276	1274	1263	1274	1268	361
25°	1196	1194	1184	1194	1186	551
35°	1078	1075	1070	1073	1071	673
45°	920	923	921	920	920	710
55°	731	737	733	733	730	653
65°	517	517	514	500	506	509
75°	275	272	266	256	267	292
85°	60	57	58	58	52	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1312.7	1312.7	1312.7	1312.7	1312.7
2.5°	1322.2	1316.3	1302.1	1315.1	1309.2
5°	1317.4	1312.7	1299.7	1312.7	1306.8
7.5°	1310.4	1306.8	1295.0	1306.8	1300.9
10°	1302.1	1298.5	1286.7	1298.5	1292.6
12.5°	1290.3	1287.9	1276.1	1287.9	1282.0
15°	1276.1	1273.8	1263.1	1273.8	1267.9
17.5°	1262.0	1257.2	1246.6	1258.4	1253.7
20°	1240.7	1238.3	1227.7	1238.3	1234.8
22.5°	1219.5	1217.1	1207.6	1217.1	1214.7
25°	1195.8	1193.5	1184.0	1193.5	1186.4
27.5°	1168.7	1169.9	1159.2	1165.2	1161.6
30°	1140.4	1140.4	1133.3	1135.6	1135.6
32.5°	1109.7	1109.7	1099.0	1106.1	1104.9
35°	1077.8	1075.4	1069.5	1073.1	1070.7
37.5°	1040.0	1038.8	1035.3	1037.7	1035.3
40°	1002.2	1003.4	1001.1	999.9	999.9
42.5°	963.3	965.6	962.1	960.9	959.7
45°	919.6	923.1	920.8	919.6	919.6
47.5°	879.5	880.7	877.1	875.9	872.4
50°	829.9	834.6	832.3	829.9	826.3
52.5°	780.3	787.4	782.7	780.3	780.3
55°	730.7	736.6	733.1	733.1	729.5
57.5°	678.8	684.7	680.0	680.0	675.2
60°	624.5	630.4	626.8	623.3	623.3
62.5°	570.2	574.9	573.7	567.8	564.3
65°	517.1	517.1	513.5	500.5	506.4
67.5°	456.9	455.7	451.0	438.0	446.2
70°	397.8	397.8	389.6	374.2	384.8
72.5°	334.1	337.6	327.0	316.4	327.0
75°	275.1	271.5	265.6	256.2	266.8
77.5°	218.4	212.5	205.4	200.7	206.6
80°	159.4	155.8	147.6	147.6	151.1
82.5°	108.6	105.1	99.2	100.3	95.6
85°	60.2	56.7	57.8	57.8	51.9
87.5°	24.8	24.8	24.8	22.4	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)