

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: P567105

Luminaire Tested: **4SNX-SL3-LW-UNV-CC83-CD-4000K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567105  
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-SL3-LW-UNV-CC83-CD-4000K-MED  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

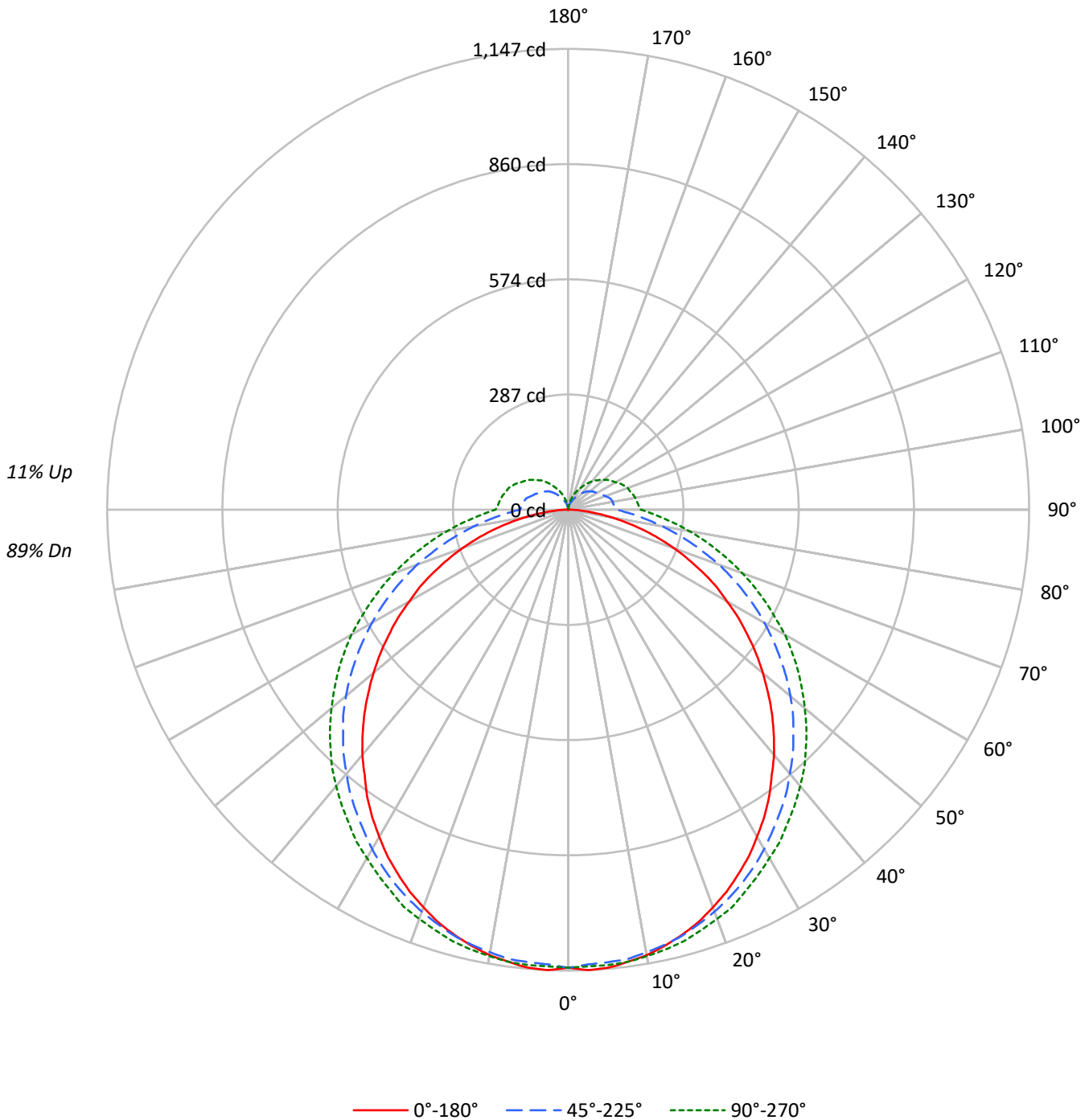
Lumens per Lamp: N/A  
Luminaire Lumens: 4058.1 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 32.274  
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°	12270	12270	12270
5°	12323	11702	11614
10°	12215	11235	11034
15°	12070	10784	10511
20°	11880	10315	9988
25°	11664	9866	9476
30°	11410	9404	8985
35°	11134	8940	8528
40°	10818	8487	8090
45°	10475	8034	7642
50°	10086	7566	7172
55°	9659	7046	6710
60°	9156	6503	6222
65°	8627	5916	5667
70°	7898	5293	5120
75°	6936	4564	4540
80°	5420	3832	3961
85°	3539	3151	3367



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.3	2.7
10°-20°	311.2	7.7
20°-30°	473.2	11.7
30°-40°	574.4	14.2
40°-50°	607.0	15.0
50°-60°	568.0	14.0
60°-70°	466.0	11.5
70°-80°	320.5	7.9
80°-90°	175.6	4.3
90°-100°	113.0	2.8
100°-110°	101.4	2.5
110°-120°	84.0	2.1
120°-130°	64.7	1.6
130°-140°	45.5	1.1
140°-150°	27.4	0.7
150°-160°	13.1	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	892.7	22.0
0°-40°	1467.1	36.2
0°-60°	2642.0	65.1
0°-90°	3604.2	88.8
90°-120°	298.5	7.4
90°-150°	436.0	10.7
90°-180°	454.0	11.2
0°-180°	4058.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1145	1142	1130	1140	1138	109
15°	1095	1100	1098	1112	1112	309
25°	1001	1013	1025	1046	1046	461
35°	872	893	919	945	952	545
45°	717	750	792	827	837	552
55°	545	590	644	684	698	488
65°	369	418	482	526	541	365
75°	193	244	315	364	381	203
85°	42	101	172	219	235	49
90°	0	56	120	164	181	3
95°	0	54	115	158	174	0
105°	0	45	108	148	162	2
115°	2	40	92	132	148	2
125°	2	33	78	113	127	2
135°	2	26	64	92	103	2
145°	2	19	45	70	78	2
155°	2	12	28	45	52	1
165°	2	7	14	21	26	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1139.9	1139.9	1139.9	1139.9	1139.9
2.5°	1147.0	1144.6	1132.9	1142.3	1137.6
5°	1144.6	1142.3	1130.5	1139.9	1137.6
7.5°	1135.2	1135.2	1128.2	1137.6	1135.2
10°	1125.8	1125.8	1118.7	1130.5	1128.2
12.5°	1111.7	1114.0	1109.3	1123.4	1121.1
15°	1095.2	1099.9	1097.6	1111.7	1111.7
17.5°	1076.4	1081.1	1081.1	1097.6	1097.6
20°	1052.9	1060.0	1064.7	1083.5	1083.5
22.5°	1029.4	1038.8	1045.9	1062.3	1069.4
25°	1001.2	1013.0	1024.7	1045.9	1045.9
27.5°	973.0	987.1	1001.2	1022.4	1024.7
30°	940.1	956.6	975.4	996.5	1001.2
32.5°	907.2	928.4	947.2	973.0	980.1
35°	872.0	893.1	919.0	944.8	951.9
37.5°	832.0	857.9	890.8	919.0	926.0
40°	796.8	825.0	857.9	890.8	897.8
42.5°	756.8	787.4	827.3	857.9	869.6
45°	716.8	749.7	792.1	827.3	836.7
47.5°	674.5	712.1	759.2	792.1	803.8
50°	632.2	672.2	721.5	759.2	768.6
52.5°	589.9	632.2	683.9	721.5	733.3
55°	545.3	589.9	644.0	683.9	698.0
57.5°	503.0	547.6	604.0	646.3	660.4
60°	456.0	507.7	564.1	606.4	622.8
62.5°	416.0	463.0	524.1	566.4	580.5
65°	369.0	418.4	481.8	526.5	540.6
67.5°	324.3	376.1	439.5	486.5	500.6
70°	279.7	331.4	399.6	444.2	460.7
72.5°	235.0	289.1	354.9	404.3	420.7
75°	192.7	244.4	314.9	364.3	380.8
77.5°	148.1	204.5	275.0	324.3	343.1
80°	108.1	166.9	237.4	286.7	305.5
82.5°	72.9	131.6	202.1	251.5	270.3
85°	42.3	101.1	171.6	218.6	235.0
87.5°	21.2	77.6	143.4	190.4	206.8
90°	0.0	56.4	119.9	164.5	181.0
92.5°	0.0	54.1	117.5	159.8	176.3
95°	0.0	54.1	115.2	157.5	173.9
97.5°	0.0	51.7	112.8	157.5	171.6
100°	0.0	49.4	112.8	155.1	169.2
102.5°	0.0	47.0	110.5	152.8	166.9
105°	0.0	44.7	108.1	148.1	162.2
107.5°	2.4	44.7	103.4	145.7	159.8
110°	2.4	42.3	98.7	143.4	157.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	40.0	94.0	138.7	152.8
115°	2.4	40.0	91.7	131.6	148.1
117.5°	2.4	37.6	87.0	126.9	143.4
120°	2.4	37.6	84.6	122.2	136.3
122.5°	2.4	35.3	79.9	117.5	131.6
125°	2.4	32.9	77.6	112.8	126.9
127.5°	2.4	30.6	75.2	108.1	122.2
130°	2.4	28.2	70.5	103.4	115.2
132.5°	2.4	28.2	68.2	96.4	110.5
135°	2.4	25.9	63.5	91.7	103.4
137.5°	2.4	23.5	58.8	87.0	98.7
140°	2.4	21.2	54.1	82.3	91.7
142.5°	2.4	21.2	49.4	75.2	84.6
145°	2.4	18.8	44.7	70.5	77.6
147.5°	2.4	16.5	40.0	63.5	70.5
150°	2.4	16.5	35.3	56.4	63.5
152.5°	2.4	14.1	30.6	51.7	58.8
155°	2.4	11.8	28.2	44.7	51.7
157.5°	2.4	11.8	23.5	37.6	44.7
160°	2.4	9.4	21.2	30.6	37.6
162.5°	2.4	9.4	18.8	25.9	32.9
165°	2.4	7.1	14.1	21.2	25.9
167.5°	2.4	7.1	11.8	16.5	21.2
170°	2.4	4.7	9.4	11.8	16.5
172.5°	2.4	4.7	7.1	7.1	7.1
175°	2.4	2.4	4.7	4.7	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)