

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: P566318

Luminaire Tested: **4SNX-33SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566318  
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-33SL-UNV-L830-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

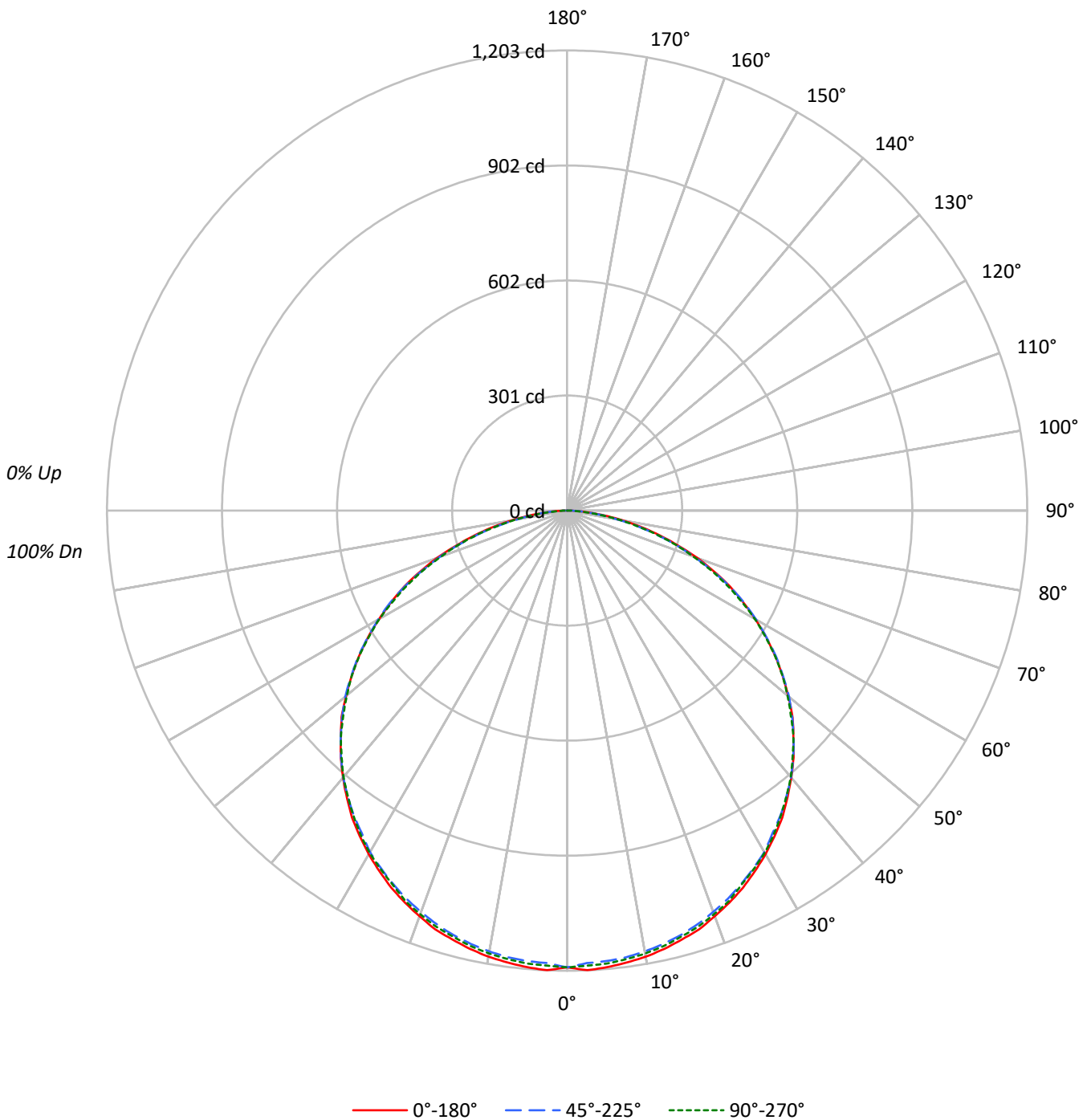
Lumens per Lamp: N/A  
Luminaire Lumens: 3570.0 lumens  
Efficiency: N/A  
Efficacy: 169.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.1  
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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	12852	12852	12852
5°	12948	12774	12843
10°	12944	12792	12850
15°	12934	12803	12851
20°	12927	12791	12865
25°	12918	12790	12816
30°	12891	12812	12838
35°	12881	12783	12797
40°	12809	12794	12778
45°	12732	12749	12732
50°	12640	12676	12586
55°	12472	12513	12453
60°	12228	12273	12204
65°	11978	11897	11731
70°	11386	11150	11015
75°	10405	10048	10094
80°	8988	8319	8517
85°	6768	6496	5829



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	3.2
10°-20°	326.4	9.1
20°-30°	499.4	14.0
30°-40°	610.6	17.1
40°-50°	645.9	18.1
50°-60°	595.1	16.7
60°-70°	458.6	12.8
70°-80°	256.9	7.2
80°-90°	63.9	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°	939.0	26.3
0°-40°	1549.6	43.4
0°-60°	2790.6	78.2
0°-90°	3570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1198	1194	1182	1194	1189	114
15°	1161	1159	1149	1159	1153	328
25°	1088	1086	1077	1086	1079	501
35°	980	978	973	976	974	613
45°	836	840	838	836	836	646
55°	665	670	667	667	664	593
65°	470	470	467	455	461	463
75°	250	247	242	233	243	265
85°	55	52	53	53	47	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1194.0	1194.0	1194.0	1194.0	1194.0
2.5°	1202.6	1197.2	1184.3	1196.1	1190.8
5°	1198.3	1194.0	1182.2	1194.0	1188.6
7.5°	1191.8	1188.6	1177.9	1188.6	1183.2
10°	1184.3	1181.1	1170.4	1181.1	1175.7
12.5°	1173.6	1171.4	1160.7	1171.4	1166.1
15°	1160.7	1158.6	1148.9	1158.6	1153.2
17.5°	1147.8	1143.5	1133.9	1144.6	1140.3
20°	1128.5	1126.3	1116.7	1126.3	1123.1
22.5°	1109.2	1107.0	1098.4	1107.0	1104.9
25°	1087.7	1085.5	1076.9	1085.5	1079.1
27.5°	1063.0	1064.1	1054.4	1059.8	1056.5
30°	1037.2	1037.2	1030.8	1032.9	1032.9
32.5°	1009.3	1009.3	999.6	1006.1	1005.0
35°	980.3	978.2	972.8	976.0	973.9
37.5°	946.0	944.9	941.7	943.8	941.7
40°	911.6	912.7	910.5	909.4	909.4
42.5°	876.2	878.3	875.1	874.0	872.9
45°	836.4	839.7	837.5	836.4	836.4
47.5°	799.9	801.0	797.8	796.7	793.5
50°	754.8	759.1	757.0	754.8	751.6
52.5°	709.7	716.2	711.9	709.7	709.7
55°	664.6	670.0	666.8	666.8	663.6
57.5°	617.4	622.8	618.5	618.5	614.2
60°	568.0	573.4	570.1	566.9	566.9
62.5°	518.6	522.9	521.8	516.5	513.2
65°	470.3	470.3	467.1	455.3	460.6
67.5°	415.5	414.5	410.2	398.4	405.9
70°	361.8	361.8	354.3	340.4	350.0
72.5°	303.9	307.1	297.4	287.8	297.4
75°	250.2	247.0	241.6	233.0	242.7
77.5°	198.6	193.3	186.8	182.5	187.9
80°	145.0	141.7	134.2	134.2	137.4
82.5°	98.8	95.6	90.2	91.3	87.0
85°	54.8	51.5	52.6	52.6	47.2
87.5°	22.5	22.5	22.5	20.4	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)