

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: P566320

Luminaire Tested: **4SNX-33SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566320  
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-L840-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

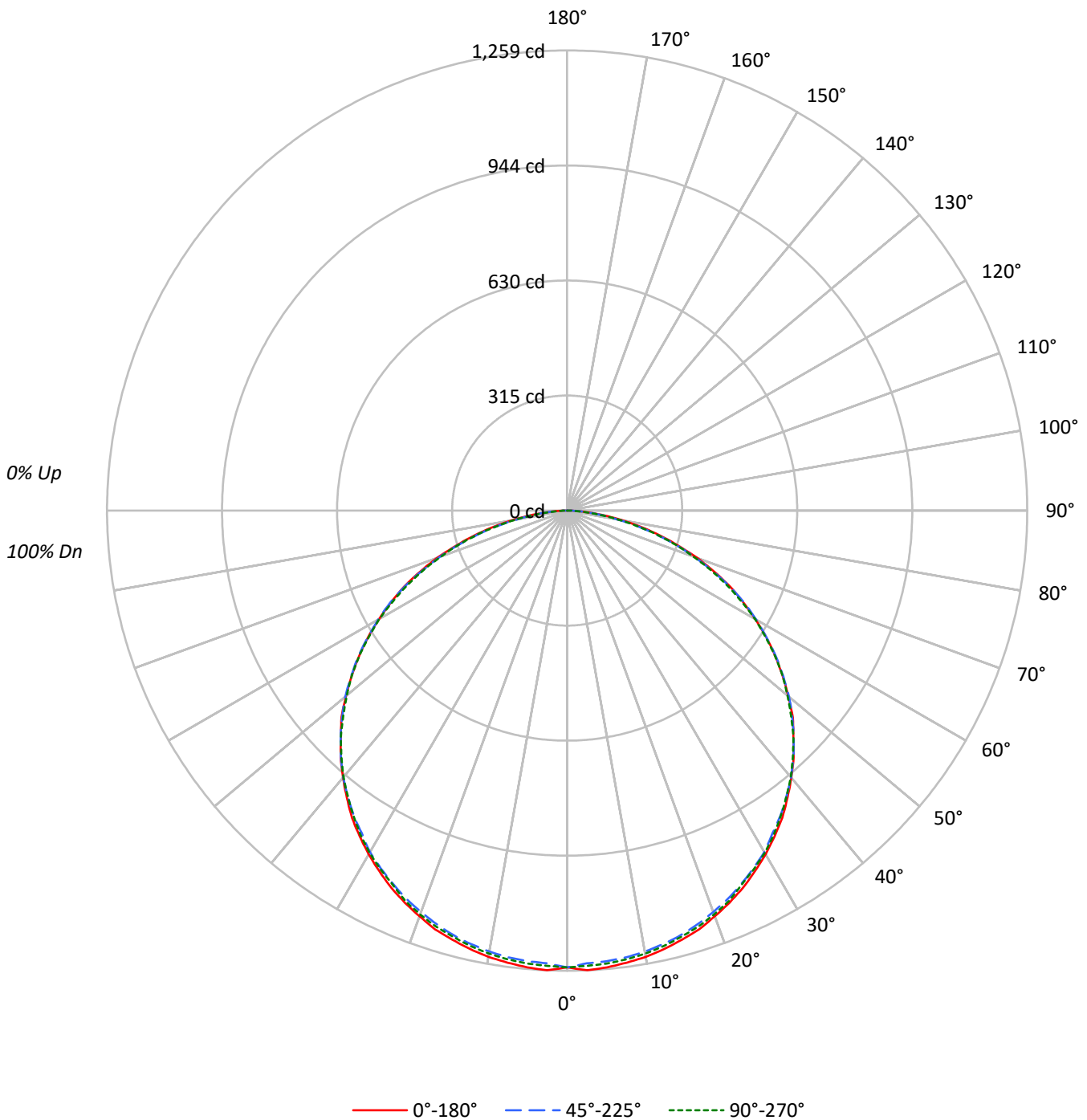
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3737.0 lumens  
Efficiency: N/A  
Efficacy: 177.1 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

TEST NUMBER: P566320

CATALOG NUMBER: 4SNX-33SL-UNV-L840-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566320

CATALOG NUMBER: 4SNX-33SL-UNV-L840-CD

**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°	13453	13453	13453
5°	13553	13371	13444
10°	13550	13390	13452
15°	13540	13401	13451
20°	13531	13389	13467
25°	13523	13389	13416
30°	13494	13411	13438
35°	13485	13381	13395
40°	13408	13392	13377
45°	13329	13346	13329
50°	13231	13269	13176
55°	13056	13099	13035
60°	12800	12848	12775
65°	12539	12452	12281
70°	11921	11673	11531
75°	10892	10518	10563
80°	9403	8709	8920
85°	7077	6805	6113



TEST NUMBER: P566320

CATALOG NUMBER: 4SNX-33SL-UNV-L840-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.6	3.2
10°-20°	341.6	9.1
20°-30°	522.7	14.0
30°-40°	639.1	17.1
40°-50°	676.1	18.1
50°-60°	622.9	16.7
60°-70°	480.0	12.8
70°-80°	269.0	7.2
80°-90°	66.8	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°	982.9	26.3
0°-40°	1622.1	43.4
0°-60°	2921.1	78.2
0°-90°	3737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3737.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1250	1250	1250	1250	1250	
5°	1254	1250	1238	1250	1244	119
15°	1215	1213	1203	1213	1207	343
25°	1139	1136	1127	1136	1130	525
35°	1026	1024	1018	1022	1019	641
45°	876	879	877	876	876	676
55°	696	701	698	698	695	621
65°	492	492	489	477	482	484
75°	262	258	253	244	254	278
85°	57	54	55	55	50	71
90°	0	0	0	0	0	



TEST NUMBER: P566320

CATALOG NUMBER: 4SNX-33SL-UNV-L840-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1249.8	1249.8	1249.8	1249.8	1249.8
2.5°	1258.8	1253.2	1239.7	1252.1	1246.5
5°	1254.3	1249.8	1237.5	1249.8	1244.2
7.5°	1247.6	1244.2	1233.0	1244.2	1238.6
10°	1239.7	1236.3	1225.1	1236.3	1230.7
12.5°	1228.5	1226.2	1215.0	1226.2	1220.6
15°	1215.0	1212.7	1202.6	1212.7	1207.1
17.5°	1201.5	1197.0	1186.9	1198.1	1193.6
20°	1181.3	1179.0	1168.9	1179.0	1175.7
22.5°	1161.0	1158.8	1149.8	1158.8	1156.5
25°	1138.6	1136.3	1127.3	1136.3	1129.6
27.5°	1112.7	1113.8	1103.7	1109.3	1106.0
30°	1085.7	1085.7	1079.0	1081.2	1081.2
32.5°	1056.5	1056.5	1046.4	1053.1	1052.0
35°	1026.2	1023.9	1018.3	1021.7	1019.4
37.5°	990.2	989.1	985.7	988.0	985.7
40°	954.2	955.4	953.1	952.0	952.0
42.5°	917.1	919.4	916.0	914.9	913.8
45°	875.6	878.9	876.7	875.6	875.6
47.5°	837.3	838.5	835.1	834.0	830.6
50°	790.1	794.6	792.4	790.1	786.8
52.5°	742.9	749.7	745.2	742.9	742.9
55°	695.7	701.3	698.0	698.0	694.6
57.5°	646.3	651.9	647.4	647.4	642.9
60°	594.6	600.2	596.8	593.4	593.4
62.5°	542.9	547.4	546.2	540.6	537.2
65°	492.3	492.3	488.9	476.6	482.2
67.5°	435.0	433.8	429.4	417.0	424.9
70°	378.8	378.8	370.9	356.3	366.4
72.5°	318.1	321.5	311.3	301.2	311.3
75°	261.9	258.5	252.9	243.9	254.0
77.5°	207.9	202.3	195.6	191.1	196.7
80°	151.7	148.4	140.5	140.5	143.9
82.5°	103.4	100.0	94.4	95.5	91.0
85°	57.3	53.9	55.1	55.1	49.5
87.5°	23.6	23.6	23.6	21.4	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)