

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: P567772

Luminaire Tested: **8SNX-40SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567772  
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: 8SNX-40SL-UNV-L840-CD  
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

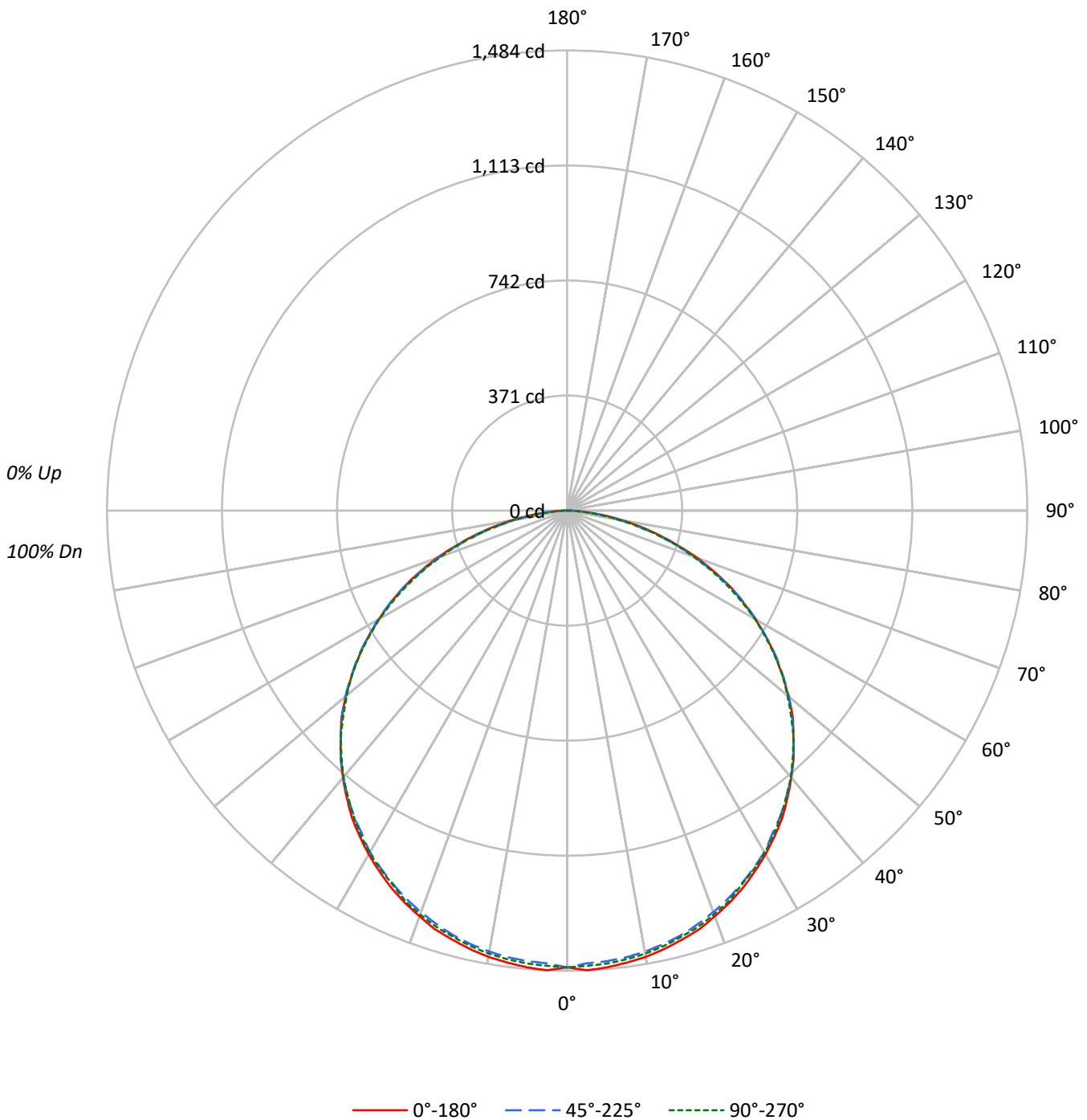
Lumens per Lamp: N/A  
Luminaire Lumens: 4405.0 lumens  
Efficiency: N/A  
Efficacy: 182.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.2  
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: P567772

CATALOG NUMBER: 8SNX-40SL-UNV-L840-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567772

CATALOG NUMBER: 8SNX-40SL-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°	7929	7929	7929
5°	7988	7881	7923
10°	7986	7892	7928
15°	7980	7899	7928
20°	7975	7892	7937
25°	7970	7891	7907
30°	7953	7904	7920
35°	7947	7886	7895
40°	7902	7893	7884
45°	7856	7865	7856
50°	7798	7820	7765
55°	7695	7720	7683
60°	7544	7572	7529
65°	7390	7339	7238
70°	7026	6880	6796
75°	6419	6199	6226
80°	5545	5133	5256
85°	4174	4008	3600



TEST NUMBER: P567772

CATALOG NUMBER: 8SNX-40SL-UNV-L840-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.8	3.2
10°-20°	402.7	9.1
20°-30°	616.2	14.0
30°-40°	753.4	17.1
40°-50°	797.0	18.1
50°-60°	734.3	16.7
60°-70°	565.8	12.8
70°-80°	317.0	7.2
80°-90°	78.8	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°	1158.7	26.3
0°-40°	1912.1	43.4
0°-60°	3443.3	78.2
0°-90°	4405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4405.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1473	1473	1473	1473	1473	
5°	1478	1473	1459	1473	1467	141
15°	1432	1430	1418	1430	1423	405
25°	1342	1339	1329	1339	1332	619
35°	1210	1207	1200	1204	1202	756
45°	1032	1036	1033	1032	1032	797
55°	820	827	823	823	819	732
65°	580	580	576	562	568	571
75°	309	305	298	288	299	327
85°	68	64	65	65	58	83
90°	0	0	0	0	0	



TEST NUMBER: P567772

CATALOG NUMBER: 8SNX-40SL-UNV-L840-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1473.2	1473.2	1473.2	1473.2	1473.2
2.5°	1483.8	1477.2	1461.3	1475.9	1469.3
5°	1478.5	1473.2	1458.7	1473.2	1466.6
7.5°	1470.6	1466.6	1453.4	1466.6	1460.0
10°	1461.3	1457.4	1444.1	1457.4	1450.7
12.5°	1448.1	1445.4	1432.2	1445.4	1438.8
15°	1432.2	1429.5	1417.6	1429.5	1422.9
17.5°	1416.3	1411.0	1399.1	1412.3	1407.0
20°	1392.4	1389.8	1377.9	1389.8	1385.8
22.5°	1368.6	1365.9	1355.3	1365.9	1363.3
25°	1342.1	1339.4	1328.8	1339.4	1331.5
27.5°	1311.6	1312.9	1301.0	1307.6	1303.7
30°	1279.8	1279.8	1271.9	1274.5	1274.5
32.5°	1245.4	1245.4	1233.4	1241.4	1240.1
35°	1209.6	1207.0	1200.3	1204.3	1201.7
37.5°	1167.2	1165.9	1161.9	1164.6	1161.9
40°	1124.8	1126.1	1123.5	1122.2	1122.2
42.5°	1081.1	1083.7	1079.8	1078.4	1077.1
45°	1032.1	1036.0	1033.4	1032.1	1032.1
47.5°	987.0	988.3	984.4	983.0	979.1
50°	931.4	936.7	934.0	931.4	927.4
52.5°	875.7	883.7	878.4	875.7	875.7
55°	820.1	826.7	822.7	822.7	818.8
57.5°	761.8	768.4	763.1	763.1	757.8
60°	700.9	707.5	703.5	699.5	699.5
62.5°	639.9	645.2	643.9	637.3	633.3
65°	580.3	580.3	576.3	561.7	568.4
67.5°	512.7	511.4	506.1	491.5	500.8
70°	446.5	446.5	437.2	420.0	431.9
72.5°	374.9	378.9	367.0	355.1	367.0
75°	308.7	304.7	298.1	287.5	299.4
77.5°	245.1	238.5	230.5	225.2	231.9
80°	178.9	174.9	165.6	165.6	169.6
82.5°	121.9	117.9	111.3	112.6	107.3
85°	67.6	63.6	64.9	64.9	58.3
87.5°	27.8	27.8	27.8	25.2	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)