

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: P567770

Luminaire Tested: **8SNX-40SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567770
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-L830-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

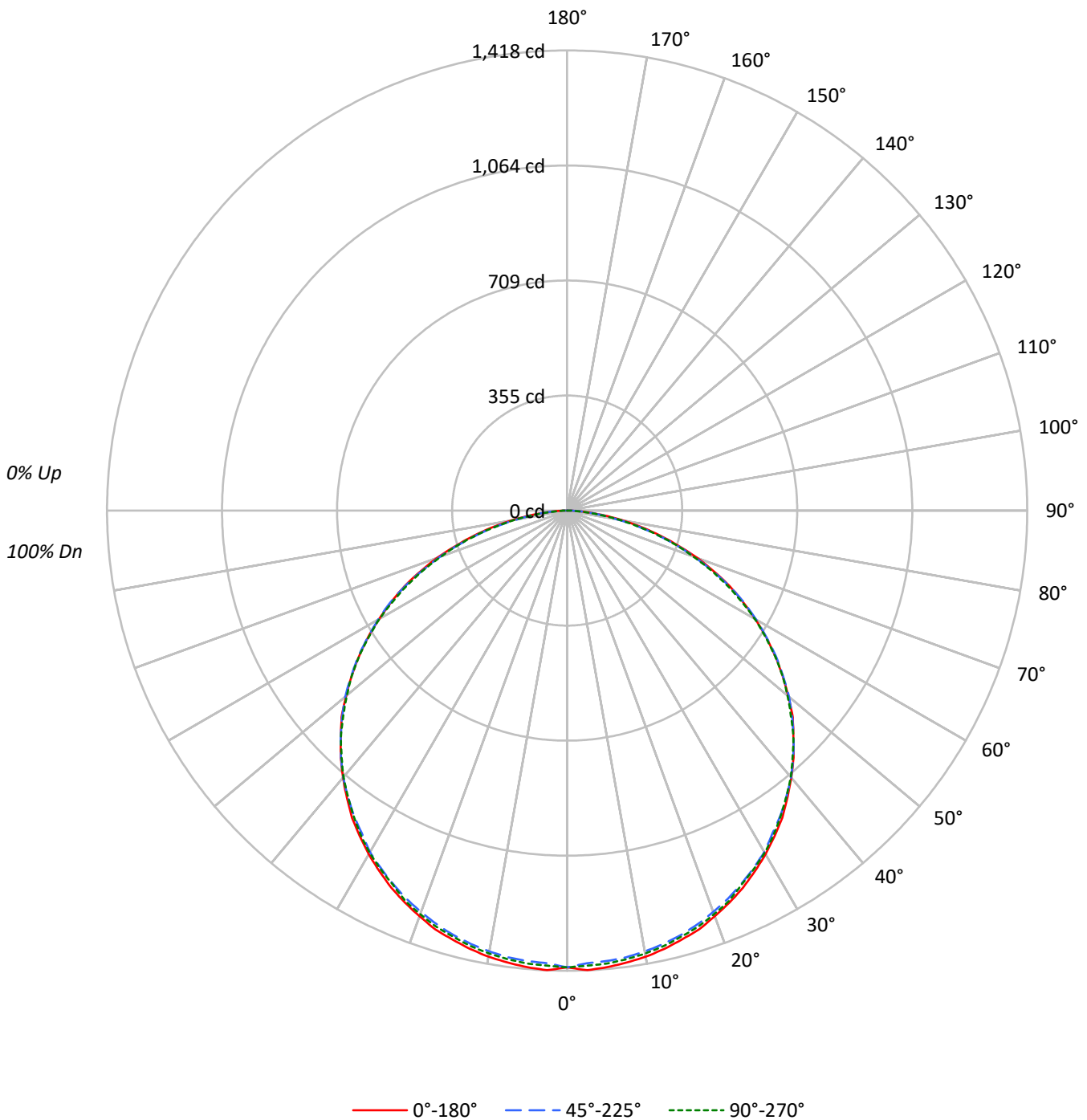
Lumens per Lamp: N/A
Luminaire Lumens: 4208.0 lumens
Efficiency: N/A
Efficacy: 173.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 24.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P567770

CATALOG NUMBER: 8SNX-40SL-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567770

CATALOG NUMBER: 8SNX-40SL-UNV-L830-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	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°	7575	7575	7575
5°	7631	7528	7569
10°	7629	7539	7573
15°	7623	7545	7574
20°	7619	7538	7582
25°	7614	7538	7553
30°	7598	7551	7566
35°	7592	7533	7542
40°	7549	7540	7531
45°	7504	7514	7504
50°	7449	7471	7417
55°	7351	7374	7339
60°	7206	7233	7192
65°	7059	7011	6914
70°	6711	6573	6493
75°	6132	5922	5947
80°	5297	4903	5021
85°	3983	3829	3440



TEST NUMBER: P567770

CATALOG NUMBER: 8SNX-40SL-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	3.2
10°-20°	384.7	9.1
20°-30°	588.6	14.0
30°-40°	719.7	17.1
40°-50°	761.3	18.1
50°-60°	701.5	16.7
60°-70°	540.5	12.8
70°-80°	302.9	7.2
80°-90°	75.3	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°	1106.8	26.3
0°-40°	1826.5	43.4
0°-60°	3289.3	78.2
0°-90°	4208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1412	1407	1393	1407	1401	134
15°	1368	1366	1354	1366	1359	387
25°	1282	1280	1269	1280	1272	591
35°	1156	1153	1147	1150	1148	722
45°	986	990	987	986	986	762
55°	783	790	786	786	782	700
65°	554	554	550	537	543	545
75°	295	291	285	275	286	313
85°	64	61	62	62	56	80
90°	0	0	0	0	0	



TEST NUMBER: P567770

CATALOG NUMBER: 8SNX-40SL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1407.4	1407.4	1407.4	1407.4	1407.4
2.5°	1417.5	1411.2	1396.0	1409.9	1403.6
5°	1412.4	1407.4	1393.4	1407.4	1401.0
7.5°	1404.8	1401.0	1388.4	1401.0	1394.7
10°	1396.0	1392.2	1379.5	1392.2	1385.8
12.5°	1383.3	1380.8	1368.1	1380.8	1374.5
15°	1368.1	1365.6	1354.2	1365.6	1359.3
17.5°	1352.9	1347.9	1336.5	1349.1	1344.1
20°	1330.2	1327.6	1316.2	1327.6	1323.8
22.5°	1307.4	1304.8	1294.7	1304.8	1302.3
25°	1282.1	1279.5	1269.4	1279.5	1271.9
27.5°	1253.0	1254.2	1242.8	1249.2	1245.4
30°	1222.6	1222.6	1215.0	1217.5	1217.5
32.5°	1189.7	1189.7	1178.3	1185.9	1184.6
35°	1155.5	1153.0	1146.6	1150.4	1147.9
37.5°	1115.0	1113.7	1109.9	1112.5	1109.9
40°	1074.5	1075.8	1073.2	1072.0	1072.0
42.5°	1032.7	1035.3	1031.5	1030.2	1028.9
45°	985.9	989.7	987.2	985.9	985.9
47.5°	942.9	944.1	940.4	939.1	935.3
50°	889.7	894.8	892.3	889.7	885.9
52.5°	836.6	844.2	839.1	836.6	836.6
55°	783.4	789.7	785.9	785.9	782.1
57.5°	727.7	734.1	729.0	729.0	723.9
60°	669.5	675.8	672.0	668.2	668.2
62.5°	611.3	616.4	615.1	608.8	605.0
65°	554.3	554.3	550.5	536.6	542.9
67.5°	489.8	488.5	483.5	469.5	478.4
70°	426.5	426.5	417.7	401.2	412.6
72.5°	358.2	362.0	350.6	339.2	350.6
75°	294.9	291.1	284.8	274.6	286.0
77.5°	234.1	227.8	220.2	215.2	221.5
80°	170.9	167.1	158.2	158.2	162.0
82.5°	116.4	112.6	106.3	107.6	102.5
85°	64.5	60.7	62.0	62.0	55.7
87.5°	26.6	26.6	26.6	24.0	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)