

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: P567822

Luminaire Tested: **8SNX-44SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567822
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-44SL-UNV-L930-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

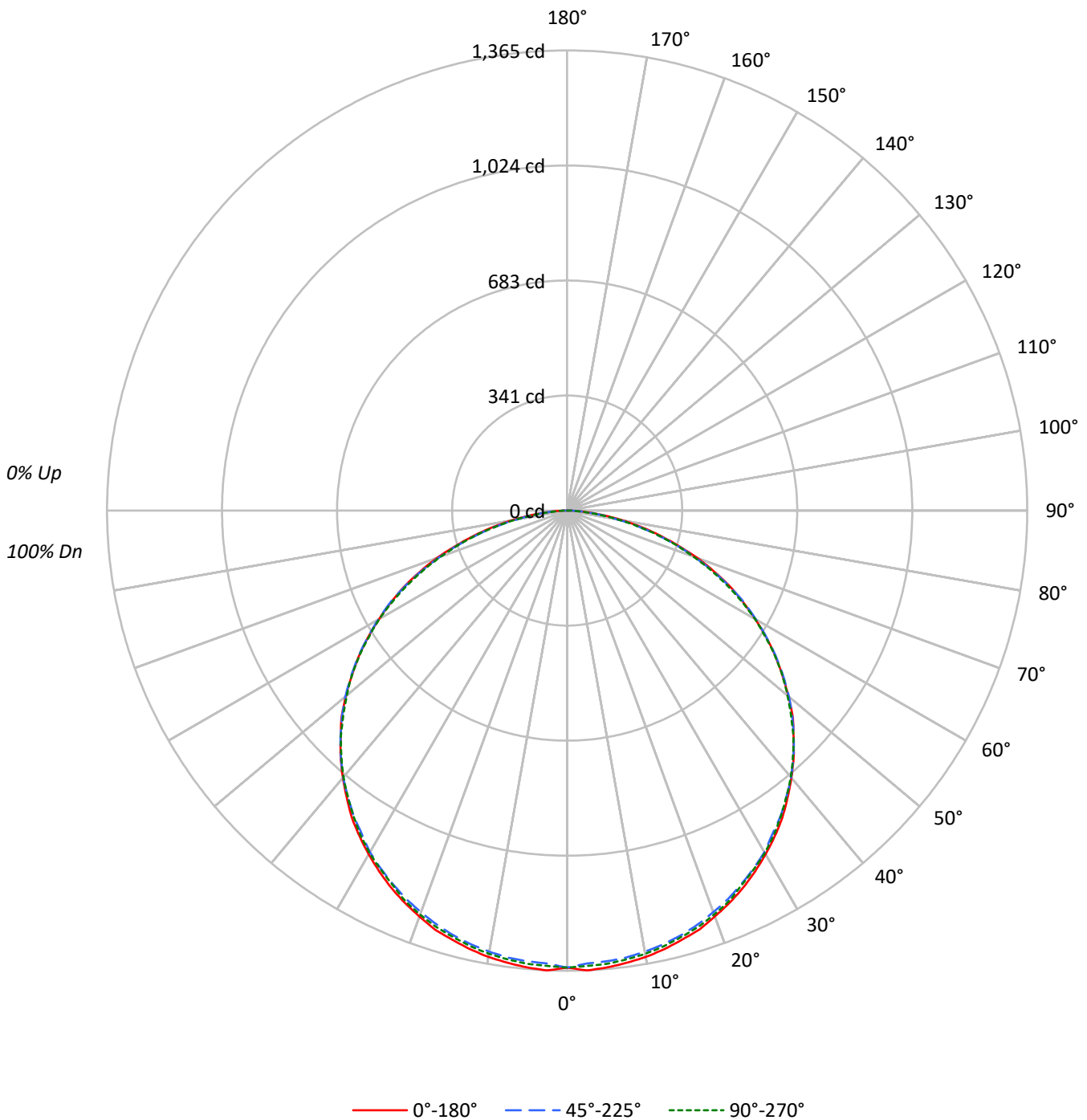
Lumens per Lamp: N/A
Luminaire Lumens: 4053.0 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
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°	7295	7295	7295
5°	7350	7251	7290
10°	7348	7261	7295
15°	7342	7267	7295
20°	7338	7261	7303
25°	7333	7261	7275
30°	7318	7272	7288
35°	7312	7256	7264
40°	7271	7262	7254
45°	7228	7237	7228
50°	7176	7196	7145
55°	7081	7103	7068
60°	6941	6967	6928
65°	6799	6753	6659
70°	6464	6331	6253
75°	5906	5704	5729
80°	5102	4723	4835
85°	3841	3687	3310



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	3.2
10°-20°	370.5	9.1
20°-30°	566.9	14.0
30°-40°	693.2	17.1
40°-50°	733.3	18.1
50°-60°	675.6	16.7
60°-70°	520.6	12.8
70°-80°	291.7	7.2
80°-90°	72.5	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°	1066.1	26.3
0°-40°	1759.3	43.4
0°-60°	3168.2	78.2
0°-90°	4053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1356	1356	1356	1356	1356	
5°	1360	1356	1342	1356	1349	129
15°	1318	1315	1304	1315	1309	372
25°	1235	1232	1223	1232	1225	569
35°	1113	1110	1104	1108	1106	695
45°	950	953	951	950	950	734
55°	755	761	757	757	753	674
65°	534	534	530	517	523	525
75°	284	280	274	264	276	301
85°	62	58	60	60	54	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1355.5	1355.5	1355.5	1355.5	1355.5
2.5°	1365.3	1359.2	1344.6	1358.0	1351.9
5°	1360.4	1355.5	1342.1	1355.5	1349.4
7.5°	1353.1	1349.4	1337.2	1349.4	1343.3
10°	1344.6	1340.9	1328.7	1340.9	1334.8
12.5°	1332.4	1329.9	1317.7	1329.9	1323.8
15°	1317.7	1315.3	1304.3	1315.3	1309.2
17.5°	1303.1	1298.2	1287.3	1299.4	1294.6
20°	1281.2	1278.7	1267.8	1278.7	1275.1
22.5°	1259.2	1256.8	1247.0	1256.8	1254.3
25°	1234.8	1232.4	1222.7	1232.4	1225.1
27.5°	1206.8	1208.0	1197.1	1203.1	1199.5
30°	1177.5	1177.5	1170.2	1172.7	1172.7
32.5°	1145.9	1145.9	1134.9	1142.2	1141.0
35°	1112.9	1110.5	1104.4	1108.1	1105.6
37.5°	1073.9	1072.7	1069.1	1071.5	1069.1
40°	1034.9	1036.1	1033.7	1032.5	1032.5
42.5°	994.7	997.1	993.5	992.3	991.0
45°	949.6	953.3	950.8	949.6	949.6
47.5°	908.2	909.4	905.7	904.5	900.8
50°	857.0	861.8	859.4	857.0	853.3
52.5°	805.8	813.1	808.2	805.8	805.8
55°	754.6	760.7	757.0	757.0	753.3
57.5°	700.9	707.0	702.1	702.1	697.3
60°	644.8	650.9	647.3	643.6	643.6
62.5°	588.8	593.7	592.4	586.3	582.7
65°	533.9	533.9	530.3	516.9	522.9
67.5°	471.8	470.5	465.7	452.2	460.8
70°	410.8	410.8	402.3	386.4	397.4
72.5°	345.0	348.6	337.7	326.7	337.7
75°	284.0	280.4	274.3	264.5	275.5
77.5°	225.5	219.4	212.1	207.2	213.3
80°	164.6	160.9	152.4	152.4	156.0
82.5°	112.1	108.5	102.4	103.6	98.7
85°	62.2	58.5	59.7	59.7	53.6
87.5°	25.6	25.6	25.6	23.2	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)