

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: P567823

Luminaire Tested: **8SNX-44SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567823
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-L935-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

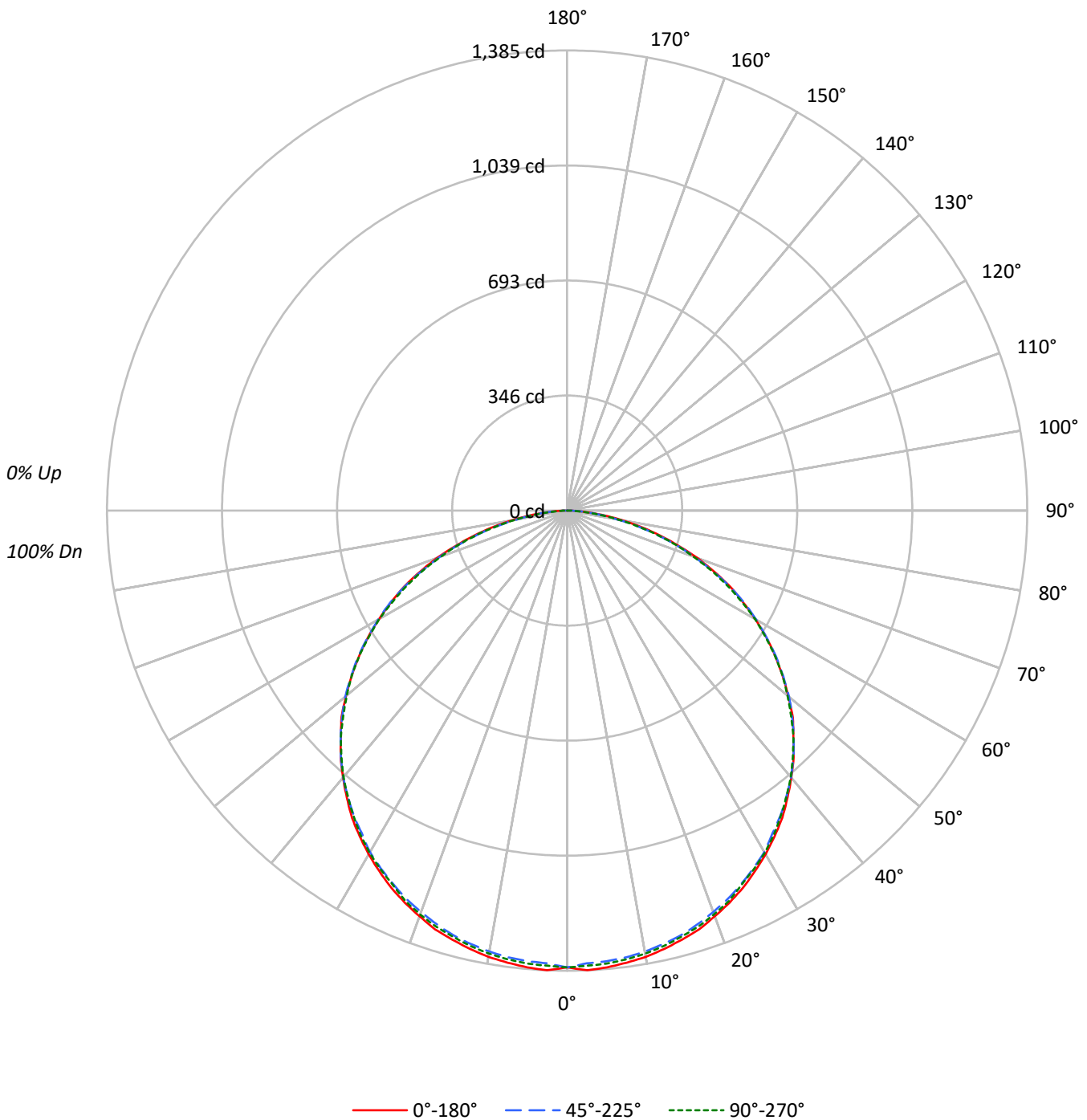
Lumens per Lamp: N/A
Luminaire Lumens: 4111.0 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	7400	7400	7400
5°	7455	7354	7394
10°	7453	7365	7399
15°	7447	7372	7399
20°	7443	7365	7407
25°	7438	7364	7379
30°	7423	7377	7392
35°	7417	7360	7368
40°	7375	7366	7358
45°	7331	7340	7331
50°	7278	7299	7247
55°	7182	7204	7170
60°	7041	7067	7027
65°	6897	6850	6755
70°	6557	6420	6343
75°	5991	5785	5810
80°	5173	4792	4906
85°	3896	3742	3359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.4	3.2
10°-20°	375.8	9.1
20°-30°	575.1	14.0
30°-40°	703.1	17.1
40°-50°	743.8	18.1
50°-60°	685.3	16.7
60°-70°	528.1	12.8
70°-80°	295.9	7.2
80°-90°	73.6	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°	1081.3	26.3
0°-40°	1784.4	43.4
0°-60°	3213.5	78.2
0°-90°	4111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1380	1375	1361	1375	1369	131
15°	1337	1334	1323	1334	1328	378
25°	1252	1250	1240	1250	1243	577
35°	1129	1126	1120	1124	1122	705
45°	963	967	964	963	963	744
55°	765	772	768	768	764	683
65°	542	542	538	524	530	533
75°	288	284	278	268	279	305
85°	63	59	61	61	54	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.9	1374.9	1374.9	1374.9	1374.9
2.5°	1384.8	1378.6	1363.8	1377.4	1371.2
5°	1379.9	1374.9	1361.3	1374.9	1368.7
7.5°	1372.4	1368.7	1356.4	1368.7	1362.6
10°	1363.8	1360.1	1347.7	1360.1	1353.9
12.5°	1351.4	1349.0	1336.6	1349.0	1342.8
15°	1336.6	1334.1	1323.0	1334.1	1327.9
17.5°	1321.8	1316.8	1305.7	1318.0	1313.1
20°	1299.5	1297.0	1285.9	1297.0	1293.3
22.5°	1277.2	1274.8	1264.9	1274.8	1272.3
25°	1252.5	1250.0	1240.1	1250.0	1242.6
27.5°	1224.1	1225.3	1214.2	1220.4	1216.7
30°	1194.4	1194.4	1187.0	1189.5	1189.5
32.5°	1162.3	1162.3	1151.1	1158.5	1157.3
35°	1128.9	1126.4	1120.2	1123.9	1121.5
37.5°	1089.3	1088.1	1084.4	1086.8	1084.4
40°	1049.7	1051.0	1048.5	1047.3	1047.3
42.5°	1008.9	1011.4	1007.7	1006.5	1005.2
45°	963.2	966.9	964.4	963.2	963.2
47.5°	921.1	922.4	918.7	917.4	913.7
50°	869.2	874.2	871.7	869.2	865.5
52.5°	817.3	824.7	819.8	817.3	817.3
55°	765.4	771.5	767.8	767.8	764.1
57.5°	711.0	717.1	712.2	712.2	707.2
60°	654.1	660.3	656.5	652.8	652.8
62.5°	597.2	602.1	600.9	594.7	591.0
65°	541.6	541.6	537.9	524.3	530.4
67.5°	478.5	477.3	472.3	458.7	467.4
70°	416.7	416.7	408.0	392.0	403.1
72.5°	349.9	353.6	342.5	331.4	342.5
75°	288.1	284.4	278.2	268.3	279.4
77.5°	228.7	222.6	215.1	210.2	216.4
80°	166.9	163.2	154.6	154.6	158.3
82.5°	113.8	110.0	103.9	105.1	100.2
85°	63.1	59.3	60.6	60.6	54.4
87.5°	26.0	26.0	26.0	23.5	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)