

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: P566466

Luminaire Tested: **4SNX-45SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566466
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-45SL-UNV-L930-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

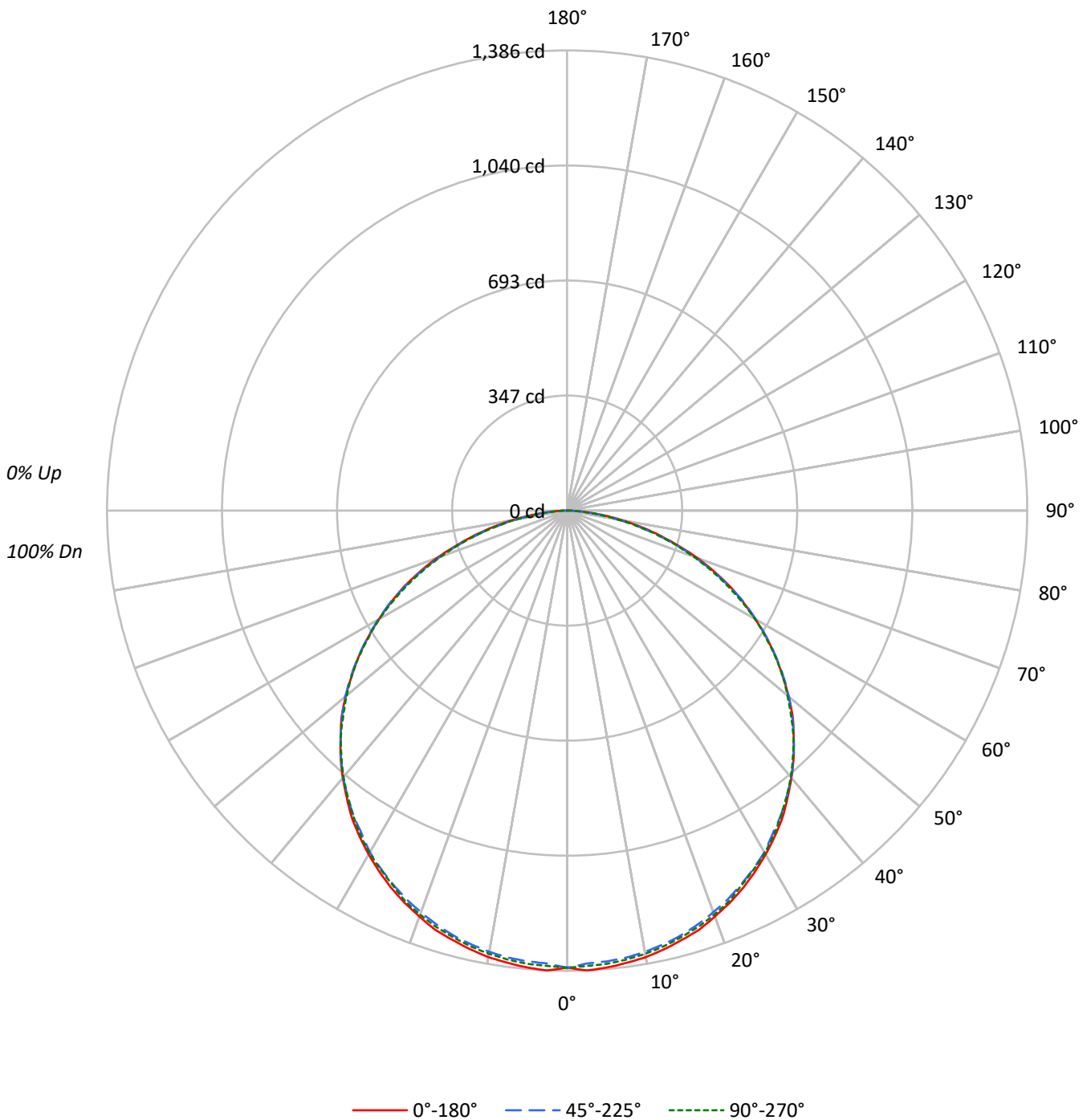
Lumens per Lamp: N/A
Luminaire Lumens: 4116.0 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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

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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	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°	14818	14818	14818
5°	14927	14727	14807
10°	14925	14749	14816
15°	14912	14761	14817
20°	14904	14748	14833
25°	14893	14747	14776
30°	14864	14771	14802
35°	14851	14738	14754
40°	14768	14751	14733
45°	14681	14699	14681
50°	14574	14616	14512
55°	14381	14428	14356
60°	14099	14150	14071
65°	13810	13715	13527
70°	13130	12856	12702
75°	11994	11582	11636
80°	10358	9589	9825
85°	7793	7497	6731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	3.2
10°-20°	376.3	9.1
20°-30°	575.8	14.0
30°-40°	704.0	17.1
40°-50°	744.7	18.1
50°-60°	686.1	16.7
60°-70°	528.7	12.8
70°-80°	296.2	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°	1082.6	26.3
0°-40°	1786.6	43.4
0°-60°	3217.4	78.2
0°-90°	4116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1377	1377	1377	1377	1377	
5°	1382	1377	1363	1377	1370	131
15°	1338	1336	1325	1336	1330	378
25°	1254	1252	1242	1252	1244	578
35°	1130	1128	1122	1125	1123	706
45°	964	968	966	964	964	745
55°	766	772	769	769	765	684
65°	542	542	538	525	531	533
75°	288	285	278	269	280	306
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°	1376.6	1376.6	1376.6	1376.6	1376.6
2.5°	1386.5	1380.3	1365.5	1379.1	1372.9
5°	1381.5	1376.6	1363.0	1376.6	1370.4
7.5°	1374.1	1370.4	1358.0	1370.4	1364.2
10°	1365.5	1361.7	1349.4	1361.7	1355.5
12.5°	1353.1	1350.6	1338.2	1350.6	1344.4
15°	1338.2	1335.7	1324.6	1335.7	1329.6
17.5°	1323.4	1318.4	1307.3	1319.6	1314.7
20°	1301.1	1298.6	1287.5	1298.6	1294.9
22.5°	1278.8	1276.3	1266.4	1276.3	1273.8
25°	1254.0	1251.6	1241.7	1251.6	1244.1
27.5°	1225.6	1226.8	1215.7	1221.9	1218.1
30°	1195.9	1195.9	1188.4	1190.9	1190.9
32.5°	1163.7	1163.7	1152.5	1160.0	1158.7
35°	1130.2	1127.8	1121.6	1125.3	1122.8
37.5°	1090.6	1089.4	1085.7	1088.2	1085.7
40°	1051.0	1052.3	1049.8	1048.5	1048.5
42.5°	1010.2	1012.6	1008.9	1007.7	1006.4
45°	964.4	968.1	965.6	964.4	964.4
47.5°	922.3	923.5	919.8	918.6	914.8
50°	870.3	875.2	872.8	870.3	866.6
52.5°	818.3	825.7	820.8	818.3	818.3
55°	766.3	772.5	768.8	768.8	765.0
57.5°	711.8	718.0	713.1	713.1	708.1
60°	654.9	661.1	657.3	653.6	653.6
62.5°	597.9	602.9	601.6	595.5	591.7
65°	542.2	542.2	538.5	524.9	531.1
67.5°	479.1	477.8	472.9	459.3	467.9
70°	417.2	417.2	408.5	392.4	403.6
72.5°	350.3	354.1	342.9	331.8	342.9
75°	288.4	284.7	278.5	268.6	279.8
77.5°	229.0	222.8	215.4	210.5	216.6
80°	167.1	163.4	154.7	154.7	158.5
82.5°	113.9	110.2	104.0	105.2	100.3
85°	63.1	59.4	60.7	60.7	54.5
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)