

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: P566517

Luminaire Tested: **4SNX-48SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566517
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-48SL-UNV-L950-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

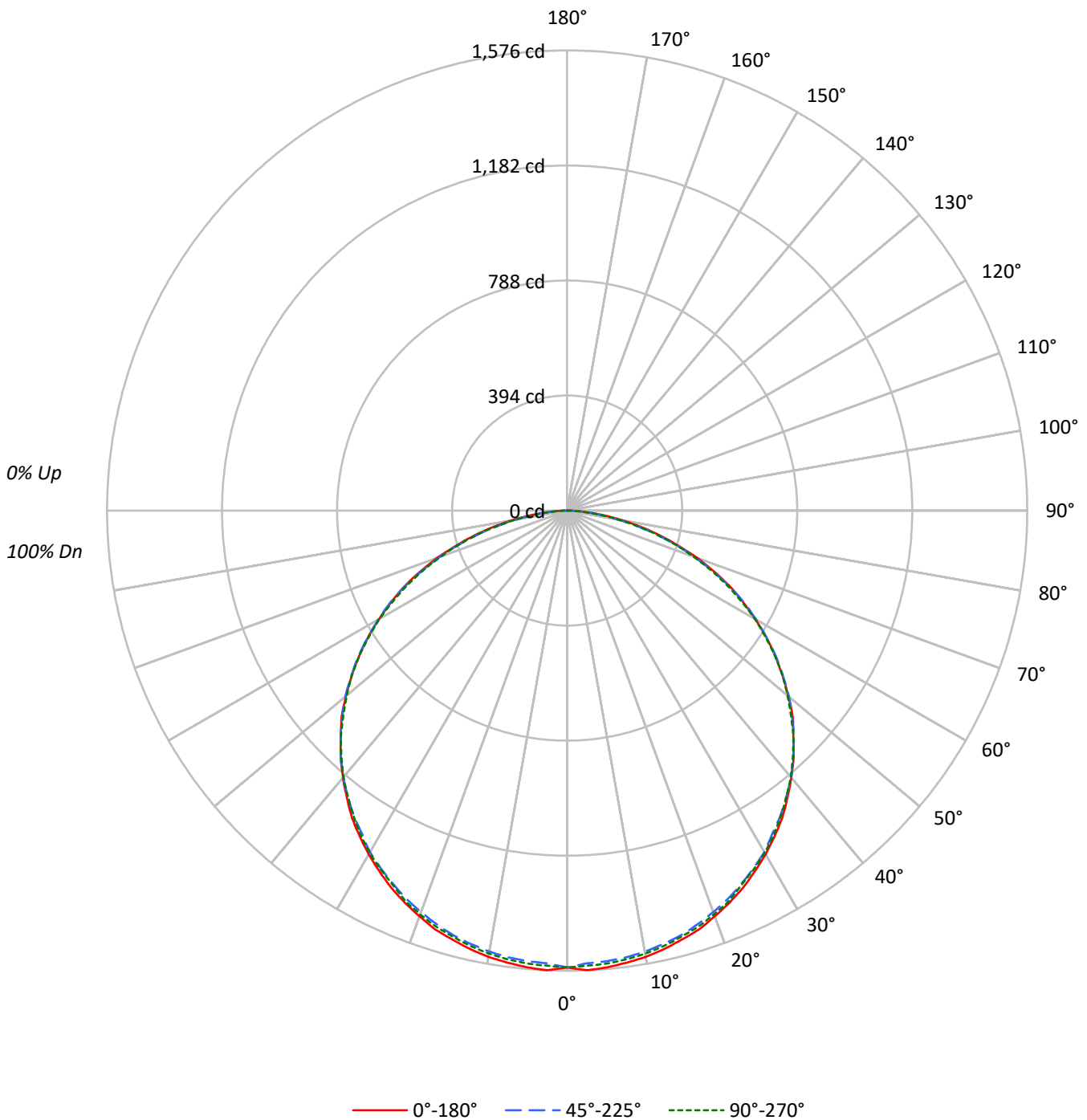
Lumens per Lamp: N/A
Luminaire Lumens: 4678.0 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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°	16841	16841	16841
5°	16966	16738	16829
10°	16962	16762	16839
15°	16948	16777	16839
20°	16938	16762	16858
25°	16928	16760	16794
30°	16892	16788	16823
35°	16880	16750	16768
40°	16784	16765	16745
45°	16684	16705	16684
50°	16563	16610	16493
55°	16344	16396	16317
60°	16023	16083	15993
65°	15697	15587	15373
70°	14921	14612	14436
75°	13633	13167	13225
80°	11771	10903	11164
85°	8867	8509	7645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	3.2
10°-20°	427.7	9.1
20°-30°	654.4	14.0
30°-40°	800.1	17.1
40°-50°	846.4	18.1
50°-60°	779.8	16.7
60°-70°	600.9	12.8
70°-80°	336.7	7.2
80°-90°	83.7	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°	1230.5	26.3
0°-40°	2030.5	43.4
0°-60°	3656.7	78.2
0°-90°	4678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1565	1565	1565	1565	1565	
5°	1570	1565	1549	1565	1558	149
15°	1521	1518	1506	1518	1511	430
25°	1425	1422	1411	1422	1414	657
35°	1285	1282	1275	1279	1276	803
45°	1096	1100	1097	1096	1096	847
55°	871	878	874	874	870	778
65°	616	616	612	597	604	606
75°	328	324	317	305	318	348
85°	72	68	69	69	62	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1564.6	1564.6	1564.6	1564.6	1564.6
2.5°	1575.8	1568.8	1551.9	1567.4	1560.3
5°	1570.2	1564.6	1549.1	1564.6	1557.5
7.5°	1561.7	1557.5	1543.4	1557.5	1550.5
10°	1551.9	1547.7	1533.6	1547.7	1540.6
12.5°	1537.8	1535.0	1520.9	1535.0	1528.0
15°	1520.9	1518.1	1505.5	1518.1	1511.1
17.5°	1504.1	1498.4	1485.8	1499.8	1494.2
20°	1478.7	1475.9	1463.3	1475.9	1471.7
22.5°	1453.4	1450.6	1439.3	1450.6	1447.8
25°	1425.3	1422.4	1411.2	1422.4	1414.0
27.5°	1392.9	1394.3	1381.6	1388.7	1384.5
30°	1359.1	1359.1	1350.7	1353.5	1353.5
32.5°	1322.6	1322.6	1309.9	1318.3	1316.9
35°	1284.6	1281.8	1274.7	1278.9	1276.1
37.5°	1239.5	1238.1	1233.9	1236.7	1233.9
40°	1194.5	1195.9	1193.1	1191.7	1191.7
42.5°	1148.1	1150.9	1146.7	1145.3	1143.9
45°	1096.0	1100.3	1097.4	1096.0	1096.0
47.5°	1048.2	1049.6	1045.4	1044.0	1039.8
50°	989.1	994.7	991.9	989.1	984.9
52.5°	930.0	938.5	932.8	930.0	930.0
55°	870.9	878.0	873.7	873.7	869.5
57.5°	809.0	816.0	810.4	810.4	804.8
60°	744.3	751.3	747.1	742.9	742.9
62.5°	679.6	685.2	683.8	676.8	672.5
65°	616.3	616.3	612.0	596.6	603.6
67.5°	544.5	543.1	537.5	522.0	531.8
70°	474.1	474.1	464.3	446.0	458.7
72.5°	398.2	402.4	389.7	377.1	389.7
75°	327.8	323.6	316.6	305.3	318.0
77.5°	260.3	253.3	244.8	239.2	246.2
80°	189.9	185.7	175.9	175.9	180.1
82.5°	129.4	125.2	118.2	119.6	114.0
85°	71.8	67.5	68.9	68.9	61.9
87.5°	29.5	29.5	29.5	26.7	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)