

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: P566469

Luminaire Tested: **4SNX-45SL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566469  
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-L950-CD  
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

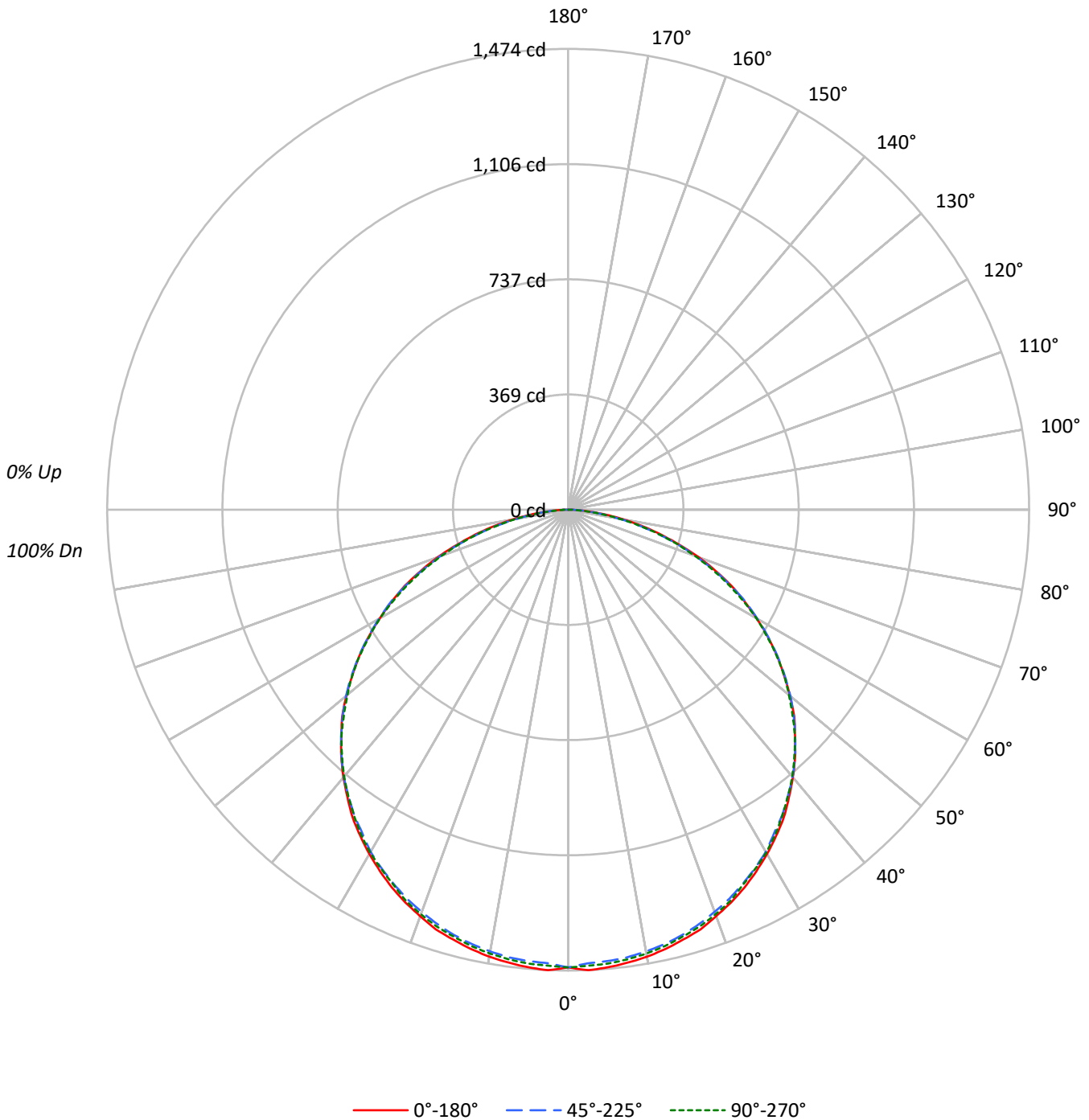
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4377.0 lumens  
Efficiency: N/A  
Efficacy: 146.9 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<sub>in</sub>): 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°	15757	15757	15757
5°	15875	15661	15746
10°	15870	15683	15756
15°	15858	15697	15756
20°	15849	15683	15773
25°	15839	15682	15713
30°	15806	15708	15740
35°	15793	15672	15690
40°	15705	15685	15667
45°	15611	15630	15611
50°	15498	15542	15431
55°	15293	15341	15268
60°	14992	15048	14964
65°	14686	14586	14385
70°	13961	13671	13508
75°	12755	12319	12373
80°	11015	10203	10445
85°	8287	7966	7151



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.9	3.2
10°-20°	400.2	9.1
20°-30°	612.3	14.0
30°-40°	748.6	17.1
40°-50°	791.9	18.1
50°-60°	729.6	16.7
60°-70°	562.2	12.8
70°-80°	315.0	7.2
80°-90°	78.3	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°	1151.3	26.3
0°-40°	1899.9	43.4
0°-60°	3421.5	78.2
0°-90°	4377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4377.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1464	1464	1464	1464	1464	
5°	1469	1464	1449	1464	1457	140
15°	1423	1420	1409	1420	1414	402
25°	1334	1331	1320	1331	1323	615
35°	1202	1199	1193	1197	1194	751
45°	1026	1030	1027	1026	1026	792
55°	815	822	818	818	814	728
65°	577	577	573	558	565	567
75°	307	303	296	286	298	325
85°	67	63	64	64	58	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1463.9	1463.9	1463.9	1463.9	1463.9
2.5°	1474.4	1467.8	1452.0	1466.5	1459.9
5°	1469.2	1463.9	1449.4	1463.9	1457.3
7.5°	1461.3	1457.3	1444.1	1457.3	1450.7
10°	1452.0	1448.1	1434.9	1448.1	1441.5
12.5°	1438.9	1436.2	1423.1	1436.2	1429.7
15°	1423.1	1420.4	1408.6	1420.4	1413.9
17.5°	1407.3	1402.0	1390.2	1403.3	1398.1
20°	1383.6	1380.9	1369.1	1380.9	1377.0
22.5°	1359.9	1357.3	1346.7	1357.3	1354.6
25°	1333.6	1330.9	1320.4	1330.9	1323.0
27.5°	1303.3	1304.6	1292.7	1299.3	1295.4
30°	1271.7	1271.7	1263.8	1266.4	1266.4
32.5°	1237.5	1237.5	1225.6	1233.5	1232.2
35°	1201.9	1199.3	1192.7	1196.6	1194.0
37.5°	1159.8	1158.5	1154.5	1157.2	1154.5
40°	1117.7	1119.0	1116.3	1115.0	1115.0
42.5°	1074.2	1076.9	1072.9	1071.6	1070.3
45°	1025.5	1029.5	1026.8	1025.5	1025.5
47.5°	980.7	982.1	978.1	976.8	972.9
50°	925.5	930.7	928.1	925.5	921.5
52.5°	870.2	878.1	872.8	870.2	870.2
55°	814.9	821.5	817.5	817.5	813.6
57.5°	757.0	763.5	758.3	758.3	753.0
60°	696.4	703.0	699.0	695.1	695.1
62.5°	635.8	641.1	639.8	633.2	629.3
65°	576.6	576.6	572.7	558.2	564.8
67.5°	509.5	508.1	502.9	488.4	497.6
70°	443.6	443.6	434.4	417.3	429.2
72.5°	372.6	376.5	364.7	352.8	364.7
75°	306.7	302.8	296.2	285.7	297.5
77.5°	243.5	237.0	229.1	223.8	230.4
80°	177.7	173.8	164.6	164.6	168.5
82.5°	121.1	117.2	110.6	111.9	106.6
85°	67.1	63.2	64.5	64.5	57.9
87.5°	27.6	27.6	27.6	25.0	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)