

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: P567873

Luminaire Tested: **8SNX-52SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567873
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-52SL-UNV-L950-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

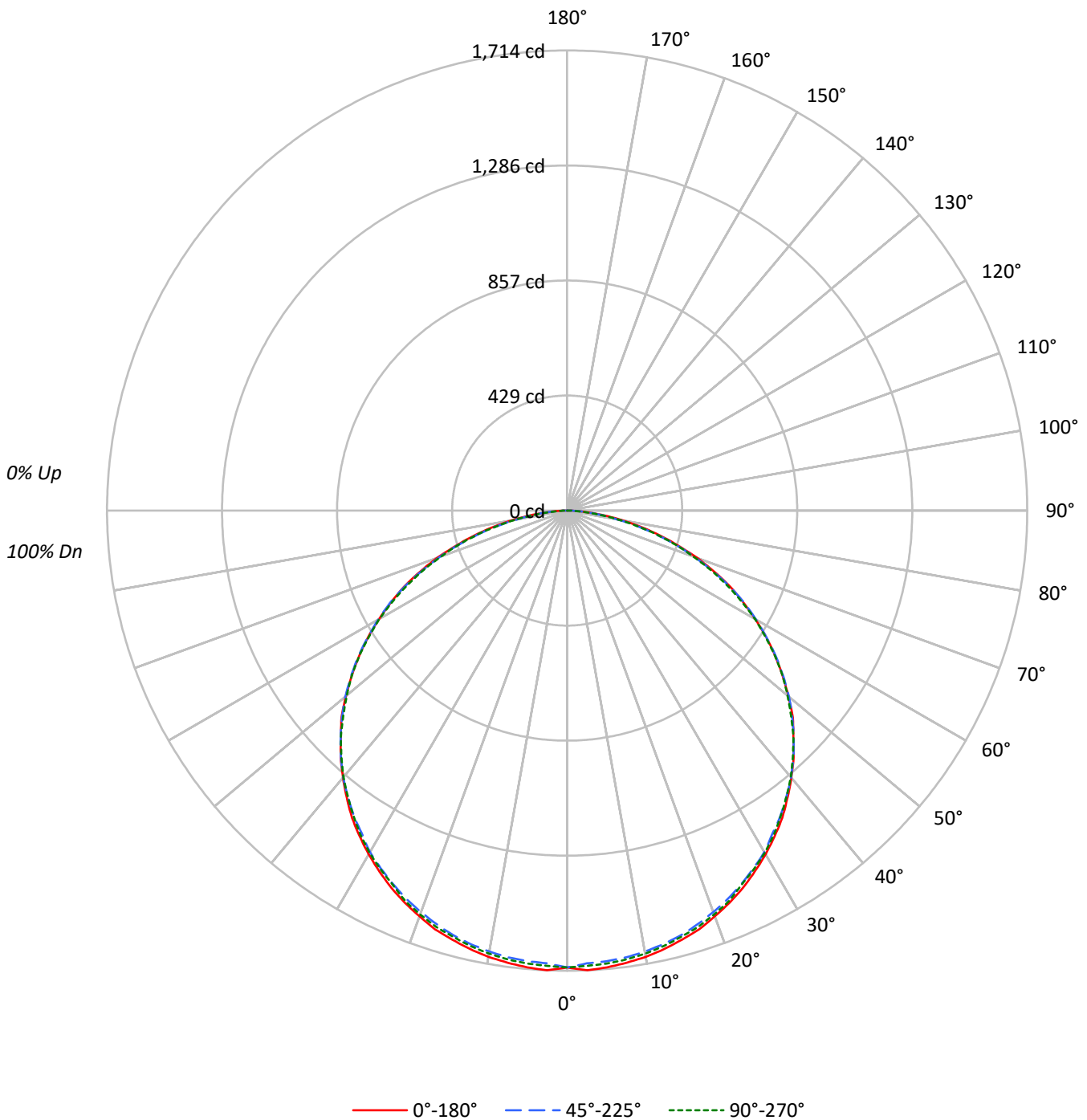
Lumens per Lamp: N/A
Luminaire Lumens: 5088.0 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 32.8
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	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°	9158	9158	9158
5°	9226	9102	9152
10°	9224	9116	9158
15°	9217	9123	9157
20°	9211	9115	9168
25°	9206	9115	9133
30°	9187	9130	9148
35°	9180	9109	9119
40°	9128	9117	9107
45°	9073	9085	9073
50°	9008	9033	8969
55°	8888	8917	8874
60°	8713	8747	8697
65°	8536	8478	8360
70°	8115	7947	7851
75°	7415	7159	7191
80°	6403	5929	6072
85°	4817	4631	4156



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	3.2
10°-20°	465.2	9.1
20°-30°	711.7	14.0
30°-40°	870.2	17.1
40°-50°	920.5	18.1
50°-60°	848.2	16.7
60°-70°	653.6	12.8
70°-80°	366.2	7.2
80°-90°	91.0	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°	1338.3	26.3
0°-40°	2208.5	43.4
0°-60°	3977.2	78.2
0°-90°	5088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1702	1702	1702	1702	1702	
5°	1708	1702	1685	1702	1694	162
15°	1654	1651	1637	1651	1644	467
25°	1550	1547	1535	1547	1538	714
35°	1397	1394	1386	1391	1388	873
45°	1192	1197	1194	1192	1192	921
55°	947	955	950	950	946	846
65°	670	670	666	649	656	659
75°	357	352	344	332	346	378
85°	78	74	75	75	67	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1701.7	1701.7	1701.7	1701.7	1701.7
2.5°	1713.9	1706.3	1687.9	1704.7	1697.1
5°	1707.8	1701.7	1684.8	1701.7	1694.0
7.5°	1698.6	1694.0	1678.7	1694.0	1686.4
10°	1687.9	1683.3	1668.0	1683.3	1675.7
12.5°	1672.6	1669.5	1654.2	1669.5	1661.9
15°	1654.2	1651.2	1637.4	1651.2	1643.5
17.5°	1635.9	1629.8	1616.0	1631.3	1625.2
20°	1608.3	1605.3	1591.5	1605.3	1600.7
22.5°	1580.8	1577.7	1565.5	1577.7	1574.7
25°	1550.2	1547.1	1534.9	1547.1	1537.9
27.5°	1515.0	1516.5	1502.7	1510.4	1505.8
30°	1478.3	1478.3	1469.1	1472.1	1472.1
32.5°	1438.5	1438.5	1424.7	1433.9	1432.3
35°	1397.2	1394.1	1386.4	1391.0	1388.0
37.5°	1348.2	1346.7	1342.1	1345.1	1342.1
40°	1299.2	1300.7	1297.7	1296.2	1296.2
42.5°	1248.7	1251.8	1247.2	1245.7	1244.1
45°	1192.1	1196.7	1193.6	1192.1	1192.1
47.5°	1140.1	1141.6	1137.0	1135.5	1130.9
50°	1075.8	1081.9	1078.9	1075.8	1071.2
52.5°	1011.5	1020.7	1014.6	1011.5	1011.5
55°	947.2	954.9	950.3	950.3	945.7
57.5°	879.9	887.6	881.4	881.4	875.3
60°	809.5	817.2	812.6	808.0	808.0
62.5°	739.1	745.2	743.7	736.1	731.5
65°	670.3	670.3	665.7	648.8	656.5
67.5°	592.2	590.7	584.6	567.7	578.4
70°	515.7	515.7	505.0	485.1	498.9
72.5°	433.1	437.7	423.9	410.1	423.9
75°	356.6	352.0	344.3	332.1	345.8
77.5°	283.1	275.5	266.3	260.1	267.8
80°	206.6	202.0	191.3	191.3	195.9
82.5°	140.8	136.2	128.5	130.1	124.0
85°	78.0	73.5	75.0	75.0	67.3
87.5°	32.1	32.1	32.1	29.1	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)