

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: P567853

Luminaire Tested: **8SNX-52SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-52SL-LW-UNV-L850-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

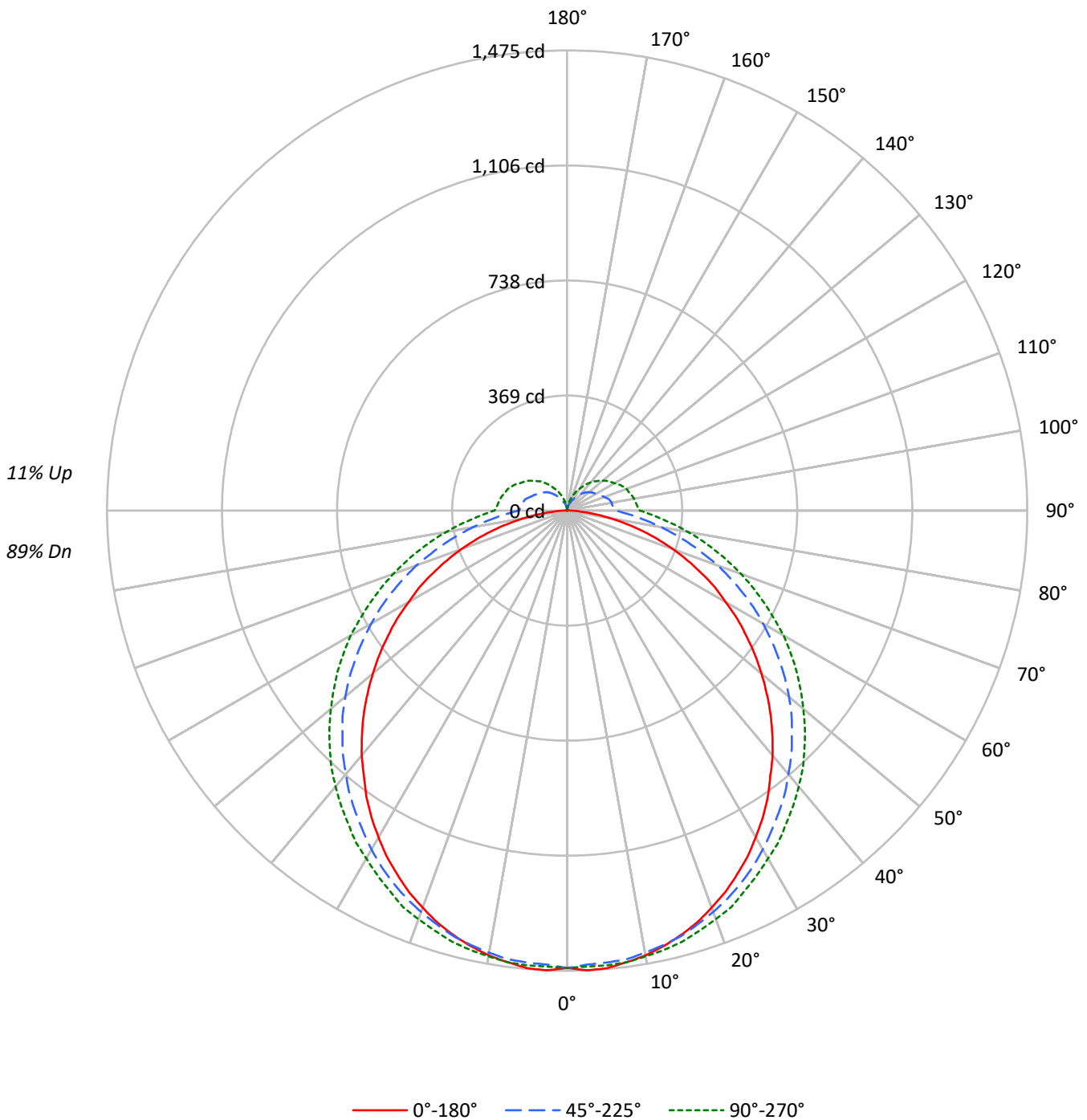
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5219.0 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 32.8
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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7890	7890	7890
5°	7939	7534	7468
10°	7884	7242	7095
15°	7805	6959	6759
20°	7698	6663	6423
25°	7573	6380	6093
30°	7425	6087	5778
35°	7262	5793	5483
40°	7075	5506	5202
45°	6874	5217	4914
50°	6643	4920	4612
55°	6390	4587	4315
60°	6092	4239	4001
65°	5785	3864	3644
70°	5354	3462	3293
75°	4783	2992	2919
80°	3853	2519	2548
85°	2713	2079	2166



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	2.7
10°-20°	400.2	7.7
20°-30°	608.6	11.7
30°-40°	738.8	14.2
40°-50°	780.6	15.0
50°-60°	730.5	14.0
60°-70°	599.4	11.5
70°-80°	412.3	7.9
80°-90°	225.8	4.3
90°-100°	145.4	2.8
100°-110°	130.5	2.5
110°-120°	108.0	2.1
120°-130°	83.1	1.6
130°-140°	58.4	1.1
140°-150°	35.2	0.7
150°-160°	16.9	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1148.1	22.0
0°-40°	1886.8	36.2
0°-60°	3398.0	65.1
0°-90°	4635.4	88.8
90°-120°	383.8	7.4
90°-150°	560.6	10.7
90°-180°	584.0	11.2
0°-180°	5219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1466	1466	1466	1466	1466	
5°	1472	1469	1454	1466	1463	140
15°	1409	1415	1412	1430	1430	397
25°	1288	1303	1318	1345	1345	593
35°	1121	1149	1182	1215	1224	701
45°	922	964	1019	1064	1076	711
55°	701	759	828	880	898	628
65°	475	538	620	677	695	470
75°	248	314	405	468	490	261
85°	54	130	221	281	302	63
90°	0	72	154	212	233	4
95°	0	70	148	202	224	0
105°	0	57	139	190	209	2
115°	3	51	118	169	190	3
125°	3	42	100	145	163	3
135°	3	33	82	118	133	2
145°	3	24	57	91	100	2
155°	3	15	36	57	66	1
165°	3	9	18	27	33	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1466.0	1466.0	1466.0	1466.0	1466.0
2.5°	1475.1	1472.1	1457.0	1469.1	1463.0
5°	1472.1	1469.1	1453.9	1466.0	1463.0
7.5°	1460.0	1460.0	1450.9	1463.0	1460.0
10°	1447.9	1447.9	1438.8	1453.9	1450.9
12.5°	1429.8	1432.8	1426.7	1444.9	1441.8
15°	1408.6	1414.6	1411.6	1429.8	1429.8
17.5°	1384.4	1390.5	1390.5	1411.6	1411.6
20°	1354.2	1363.3	1369.3	1393.5	1393.5
22.5°	1324.0	1336.1	1345.1	1366.3	1375.3
25°	1287.7	1302.8	1317.9	1345.1	1345.1
27.5°	1251.4	1269.6	1287.7	1314.9	1317.9
30°	1209.1	1230.3	1254.4	1281.6	1287.7
32.5°	1166.8	1194.0	1218.2	1251.4	1260.5
35°	1121.4	1148.6	1181.9	1215.1	1224.2
37.5°	1070.1	1103.3	1145.6	1181.9	1191.0
40°	1024.7	1061.0	1103.3	1145.6	1154.7
42.5°	973.3	1012.6	1064.0	1103.3	1118.4
45°	921.9	964.3	1018.7	1064.0	1076.1
47.5°	867.5	915.9	976.3	1018.7	1033.8
50°	813.1	864.5	928.0	976.3	988.4
52.5°	758.7	813.1	879.6	928.0	943.1
55°	701.3	758.7	828.2	879.6	897.8
57.5°	646.9	704.3	776.8	831.3	849.4
60°	586.4	652.9	725.5	779.9	801.0
62.5°	535.0	595.5	674.1	728.5	746.6
65°	474.6	538.0	619.7	677.1	695.2
67.5°	417.1	483.6	565.3	625.7	643.8
70°	359.7	426.2	513.9	571.3	592.5
72.5°	302.3	371.8	456.4	519.9	541.1
75°	247.9	314.4	405.0	468.5	489.7
77.5°	190.4	263.0	353.7	417.1	441.3
80°	139.0	214.6	305.3	368.8	393.0
82.5°	93.7	169.3	260.0	323.4	347.6
85°	54.4	130.0	220.7	281.1	302.3
87.5°	27.2	99.8	184.4	244.8	266.0
90°	0.0	72.5	154.2	211.6	232.8
92.5°	0.0	69.5	151.1	205.5	226.7
95°	0.0	69.5	148.1	202.5	223.7
97.5°	0.0	66.5	145.1	202.5	220.7
100°	0.0	63.5	145.1	199.5	217.6
102.5°	0.0	60.5	142.1	196.5	214.6
105°	0.0	57.4	139.0	190.4	208.6
107.5°	3.0	57.4	133.0	187.4	205.5
110°	3.0	54.4	127.0	184.4	202.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.4	120.9	178.3	196.5
115°	3.0	51.4	117.9	169.3	190.4
117.5°	3.0	48.4	111.8	163.2	184.4
120°	3.0	48.4	108.8	157.2	175.3
122.5°	3.0	45.3	102.8	151.1	169.3
125°	3.0	42.3	99.8	145.1	163.2
127.5°	3.0	39.3	96.7	139.0	157.2
130°	3.0	36.3	90.7	133.0	148.1
132.5°	3.0	36.3	87.7	123.9	142.1
135°	3.0	33.3	81.6	117.9	133.0
137.5°	3.0	30.2	75.6	111.8	127.0
140°	3.0	27.2	69.5	105.8	117.9
142.5°	3.0	27.2	63.5	96.7	108.8
145°	3.0	24.2	57.4	90.7	99.8
147.5°	3.0	21.2	51.4	81.6	90.7
150°	3.0	21.2	45.3	72.5	81.6
152.5°	3.0	18.1	39.3	66.5	75.6
155°	3.0	15.1	36.3	57.4	66.5
157.5°	3.0	15.1	30.2	48.4	57.4
160°	3.0	12.1	27.2	39.3	48.4
162.5°	3.0	12.1	24.2	33.3	42.3
165°	3.0	9.1	18.1	27.2	33.3
167.5°	3.0	9.1	15.1	21.2	27.2
170°	3.0	6.0	12.1	15.1	21.2
172.5°	3.0	6.0	9.1	9.1	9.1
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)