

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: P567860

Luminaire Tested: **8SNX-52SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567860
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-SLW-UNV-L840-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

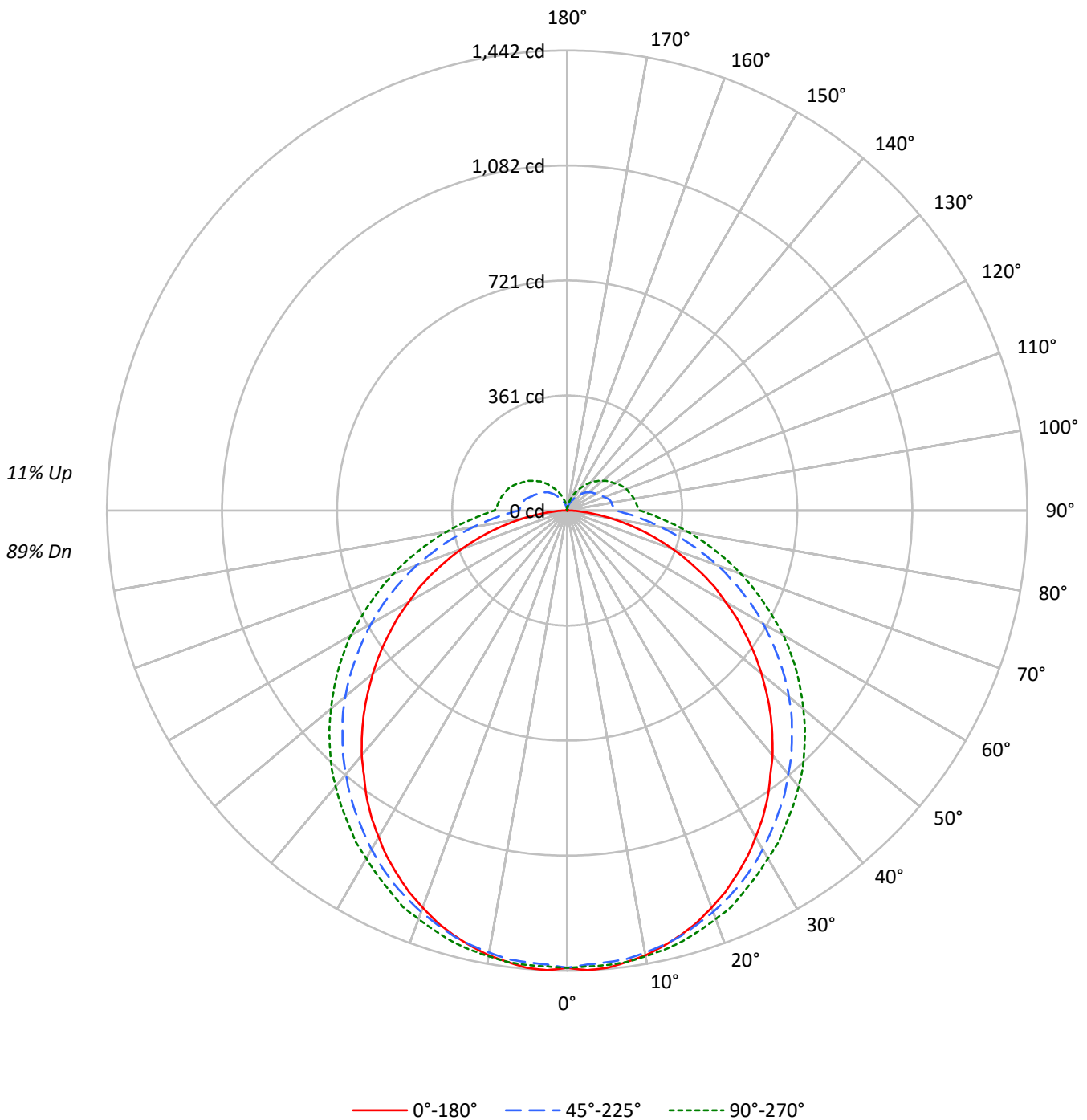
Lumens per Lamp: N/A
Luminaire Lumens: 5101.0 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	7712	7712	7712
5°	7766	7518	7507
10°	7720	7371	7321
15°	7649	7219	7150
20°	7552	7044	6960
25°	7438	6873	6761
30°	7301	6685	6564
35°	7150	6490	6378
40°	6975	6297	6202
45°	6788	6101	6010
50°	6573	5894	5796
55°	6337	5644	5585
60°	6061	5378	5350
65°	5778	5077	5055
70°	5379	4746	4766
75°	4851	4325	4445
80°	3978	3897	4129
85°	2937	3536	3804



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	2.7
10°-20°	391.2	7.7
20°-30°	594.8	11.7
30°-40°	722.1	14.2
40°-50°	763.0	15.0
50°-60°	714.0	14.0
60°-70°	585.8	11.5
70°-80°	402.9	7.9
80°-90°	220.7	4.3
90°-100°	142.1	2.8
100°-110°	127.5	2.5
110°-120°	105.5	2.1
120°-130°	81.3	1.6
130°-140°	57.1	1.1
140°-150°	34.4	0.7
150°-160°	16.5	0.3
160°-170°	5.4	0.1
170°-180°	0.6	0.0
0°-30°	1122.1	22.0
0°-40°	1844.2	36.2
0°-60°	3321.1	65.1
0°-90°	4530.6	88.8
90°-120°	375.1	7.4
90°-150°	547.9	10.7
90°-180°	570.0	11.2
0°-180°	5101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1439	1436	1421	1433	1430	136
15°	1377	1383	1380	1397	1397	388
25°	1259	1273	1288	1315	1315	580
35°	1096	1123	1155	1188	1196	685
45°	901	942	996	1040	1052	695
55°	685	742	810	860	878	613
65°	464	526	606	662	680	459
75°	242	307	396	458	479	255
85°	53	127	216	275	295	61
90°	0	71	151	207	228	4
95°	0	68	145	198	219	0
105°	0	56	136	186	204	2
115°	3	50	115	165	186	3
125°	3	41	98	142	160	3
135°	3	32	80	115	130	2
145°	3	24	56	89	98	2
155°	3	15	36	56	65	1
165°	3	9	18	27	32	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°	1432.9	1432.9	1432.9	1432.9	1432.9
2.5°	1441.7	1438.8	1424.0	1435.8	1429.9
5°	1438.8	1435.8	1421.1	1432.9	1429.9
7.5°	1427.0	1427.0	1418.1	1429.9	1427.0
10°	1415.2	1415.2	1406.3	1421.1	1418.1
12.5°	1397.4	1400.4	1394.5	1412.2	1409.2
15°	1376.7	1382.7	1379.7	1397.4	1397.4
17.5°	1353.1	1359.0	1359.0	1379.7	1379.7
20°	1323.6	1332.4	1338.3	1362.0	1362.0
22.5°	1294.0	1305.8	1314.7	1335.4	1344.3
25°	1258.6	1273.3	1288.1	1314.7	1314.7
27.5°	1223.1	1240.8	1258.6	1285.2	1288.1
30°	1181.8	1202.4	1226.1	1252.7	1258.6
32.5°	1140.4	1167.0	1190.6	1223.1	1232.0
35°	1096.1	1122.7	1155.2	1187.7	1196.5
37.5°	1045.9	1078.4	1119.7	1155.2	1164.0
40°	1001.5	1037.0	1078.4	1119.7	1128.6
42.5°	951.3	989.7	1039.9	1078.4	1093.1
45°	901.1	942.5	995.6	1039.9	1051.8
47.5°	847.9	895.2	954.3	995.6	1010.4
50°	794.7	845.0	907.0	954.3	966.1
52.5°	741.6	794.7	859.7	907.0	921.8
55°	685.4	741.6	809.5	859.7	877.5
57.5°	632.2	688.4	759.3	812.5	830.2
60°	573.2	638.1	709.1	762.2	782.9
62.5°	522.9	582.0	658.8	712.0	729.7
65°	463.8	525.9	605.7	661.8	679.5
67.5°	407.7	472.7	552.5	611.6	629.3
70°	351.6	416.6	502.2	558.4	579.1
72.5°	295.4	363.4	446.1	508.2	528.8
75°	242.3	307.3	395.9	457.9	478.6
77.5°	186.1	257.0	345.7	407.7	431.3
80°	135.9	209.8	298.4	360.4	384.1
82.5°	91.6	165.4	254.1	316.1	339.8
85°	53.2	127.0	215.7	274.8	295.4
87.5°	26.6	97.5	180.2	239.3	260.0
90°	0.0	70.9	150.7	206.8	227.5
92.5°	0.0	68.0	147.7	200.9	221.6
95°	0.0	68.0	144.8	197.9	218.6
97.5°	0.0	65.0	141.8	197.9	215.7
100°	0.0	62.0	141.8	195.0	212.7
102.5°	0.0	59.1	138.9	192.0	209.8
105°	0.0	56.1	135.9	186.1	203.9
107.5°	3.0	56.1	130.0	183.2	200.9
110°	3.0	53.2	124.1	180.2	197.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	50.2	118.2	174.3	192.0
115°	3.0	50.2	115.2	165.4	186.1
117.5°	3.0	47.3	109.3	159.5	180.2
120°	3.0	47.3	106.4	153.6	171.4
122.5°	3.0	44.3	100.4	147.7	165.4
125°	3.0	41.4	97.5	141.8	159.5
127.5°	3.0	38.4	94.5	135.9	153.6
130°	3.0	35.5	88.6	130.0	144.8
132.5°	3.0	35.5	85.7	121.1	138.9
135°	3.0	32.5	79.8	115.2	130.0
137.5°	3.0	29.5	73.9	109.3	124.1
140°	3.0	26.6	68.0	103.4	115.2
142.5°	3.0	26.6	62.0	94.5	106.4
145°	3.0	23.6	56.1	88.6	97.5
147.5°	3.0	20.7	50.2	79.8	88.6
150°	3.0	20.7	44.3	70.9	79.8
152.5°	3.0	17.7	38.4	65.0	73.9
155°	3.0	14.8	35.5	56.1	65.0
157.5°	3.0	14.8	29.5	47.3	56.1
160°	3.0	11.8	26.6	38.4	47.3
162.5°	3.0	11.8	23.6	32.5	41.4
165°	3.0	8.9	17.7	26.6	32.5
167.5°	3.0	8.9	14.8	20.7	26.6
170°	3.0	5.9	11.8	14.8	20.7
172.5°	3.0	5.9	8.9	8.9	8.9
175°	3.0	3.0	5.9	5.9	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)