

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: P567861

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567861
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-L850-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

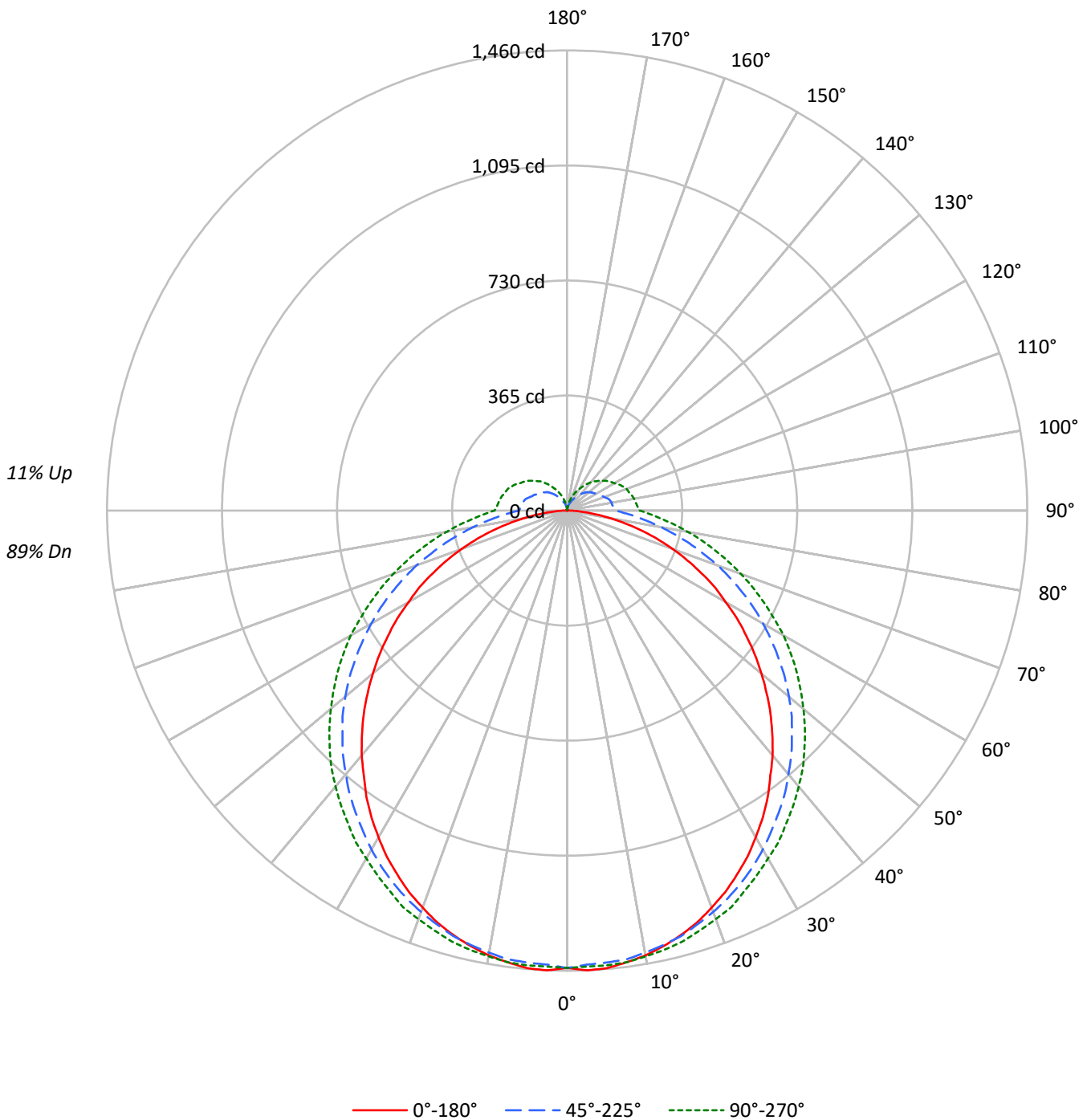
Lumens per Lamp: N/A
Luminaire Lumens: 5166.0 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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	77	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°	7810	7810	7810
5°	7865	7614	7603
10°	7818	7465	7415
15°	7747	7311	7241
20°	7648	7134	7048
25°	7533	6961	6847
30°	7393	6770	6647
35°	7240	6572	6460
40°	7065	6377	6281
45°	6875	6179	6087
50°	6657	5969	5870
55°	6419	5716	5656
60°	6138	5446	5419
65°	5853	5142	5119
70°	5448	4806	4826
75°	4911	4379	4501
80°	4028	3947	4182
85°	2976	3580	3853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.8	2.7
10°-20°	396.2	7.7
20°-30°	602.4	11.7
30°-40°	731.3	14.2
40°-50°	772.7	15.0
50°-60°	723.1	14.0
60°-70°	593.3	11.5
70°-80°	408.1	7.9
80°-90°	223.5	4.3
90°-100°	143.9	2.8
100°-110°	129.1	2.5
110°-120°	106.9	2.1
120°-130°	82.3	1.6
130°-140°	57.8	1.1
140°-150°	34.8	0.7
150°-160°	16.7	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1136.4	22.0
0°-40°	1867.7	36.2
0°-60°	3363.5	65.1
0°-90°	4588.3	88.8
90°-120°	379.9	7.4
90°-150°	554.9	10.7
90°-180°	578.0	11.2
0°-180°	5166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1451	1451	1451	1451	1451	
5°	1457	1454	1439	1451	1448	138
15°	1394	1400	1397	1415	1415	393
25°	1275	1290	1304	1332	1332	587
35°	1110	1137	1170	1203	1212	693
45°	913	954	1008	1053	1065	703
55°	694	751	820	871	889	621
65°	470	533	613	670	688	465
75°	245	311	401	464	485	258
85°	54	129	218	278	299	62
90°	0	72	153	209	230	4
95°	0	69	147	200	221	0
105°	0	57	138	188	206	2
115°	3	51	117	168	188	3
125°	3	42	99	144	162	3
135°	3	33	81	117	132	2
145°	3	24	57	90	99	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°	1451.1	1451.1	1451.1	1451.1	1451.1
2.5°	1460.1	1457.1	1442.2	1454.1	1448.1
5°	1457.1	1454.1	1439.2	1451.1	1448.1
7.5°	1445.2	1445.2	1436.2	1448.1	1445.2
10°	1433.2	1433.2	1424.2	1439.2	1436.2
12.5°	1415.2	1418.2	1412.2	1430.2	1427.2
15°	1394.3	1400.3	1397.3	1415.2	1415.2
17.5°	1370.4	1376.3	1376.3	1397.3	1397.3
20°	1340.4	1349.4	1355.4	1379.3	1379.3
22.5°	1310.5	1322.5	1331.5	1352.4	1361.4
25°	1274.6	1289.6	1304.5	1331.5	1331.5
27.5°	1238.7	1256.7	1274.6	1301.5	1304.5
30°	1196.8	1217.8	1241.7	1268.6	1274.6
32.5°	1154.9	1181.9	1205.8	1238.7	1247.7
35°	1110.0	1137.0	1169.9	1202.8	1211.8
37.5°	1059.2	1092.1	1134.0	1169.9	1178.9
40°	1014.3	1050.2	1092.1	1134.0	1143.0
42.5°	963.4	1002.3	1053.2	1092.1	1107.1
45°	912.6	954.5	1008.3	1053.2	1065.2
47.5°	858.7	906.6	966.4	1008.3	1023.3
50°	804.9	855.7	918.6	966.4	978.4
52.5°	751.0	804.9	870.7	918.6	933.5
55°	694.2	751.0	819.8	870.7	888.6
57.5°	640.3	697.1	769.0	822.8	840.8
60°	580.5	646.3	718.1	771.9	792.9
62.5°	529.6	589.4	667.2	721.1	739.0
65°	469.8	532.6	613.4	670.2	688.2
67.5°	412.9	478.7	559.5	619.4	637.3
70°	356.1	421.9	508.6	565.5	586.4
72.5°	299.2	368.0	451.8	514.6	535.6
75°	245.3	311.2	400.9	463.8	484.7
77.5°	188.5	260.3	350.1	412.9	436.8
80°	137.6	212.4	302.2	365.0	389.0
82.5°	92.8	167.6	257.3	320.1	344.1
85°	53.9	128.7	218.4	278.3	299.2
87.5°	26.9	98.7	182.5	242.4	263.3
90°	0.0	71.8	152.6	209.4	230.4
92.5°	0.0	68.8	149.6	203.5	224.4
95°	0.0	68.8	146.6	200.5	221.4
97.5°	0.0	65.8	143.6	200.5	218.4
100°	0.0	62.8	143.6	197.5	215.4
102.5°	0.0	59.8	140.6	194.5	212.4
105°	0.0	56.8	137.6	188.5	206.5
107.5°	3.0	56.8	131.6	185.5	203.5
110°	3.0	53.9	125.7	182.5	200.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	50.9	119.7	176.5	194.5
115°	3.0	50.9	116.7	167.6	188.5
117.5°	3.0	47.9	110.7	161.6	182.5
120°	3.0	47.9	107.7	155.6	173.5
122.5°	3.0	44.9	101.7	149.6	167.6
125°	3.0	41.9	98.7	143.6	161.6
127.5°	3.0	38.9	95.7	137.6	155.6
130°	3.0	35.9	89.8	131.6	146.6
132.5°	3.0	35.9	86.8	122.7	140.6
135°	3.0	32.9	80.8	116.7	131.6
137.5°	3.0	29.9	74.8	110.7	125.7
140°	3.0	26.9	68.8	104.7	116.7
142.5°	3.0	26.9	62.8	95.7	107.7
145°	3.0	23.9	56.8	89.8	98.7
147.5°	3.0	20.9	50.9	80.8	89.8
150°	3.0	20.9	44.9	71.8	80.8
152.5°	3.0	18.0	38.9	65.8	74.8
155°	3.0	15.0	35.9	56.8	65.8
157.5°	3.0	15.0	29.9	47.9	56.8
160°	3.0	12.0	26.9	38.9	47.9
162.5°	3.0	12.0	23.9	32.9	41.9
165°	3.0	9.0	18.0	26.9	32.9
167.5°	3.0	9.0	15.0	20.9	26.9
170°	3.0	6.0	12.0	15.0	20.9
172.5°	3.0	6.0	9.0	9.0	9.0
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)