

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: P567856

Luminaire Tested: **8SNX-52SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567856  
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-L940-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

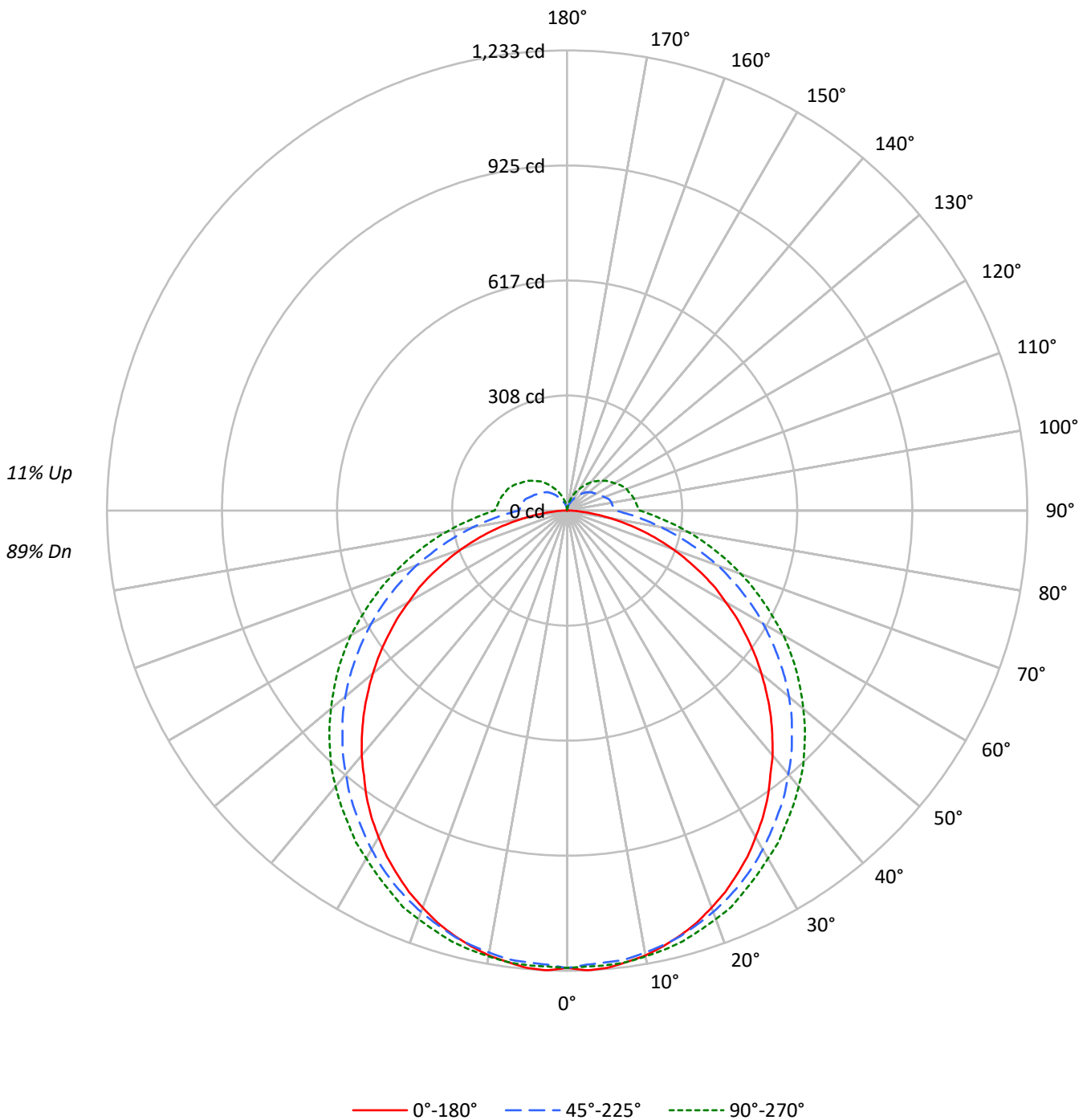
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4361.9 lumens  
Efficiency: N/A  
Efficacy: 133.0 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 (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	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°	6595	6595	6595
5°	6635	6297	6242
10°	6589	6053	5930
15°	6523	5816	5649
20°	6433	5569	5368
25°	6329	5332	5093
30°	6206	5087	4829
35°	6070	4842	4583
40°	5913	4601	4348
45°	5745	4360	4107
50°	5552	4112	3854
55°	5341	3833	3606
60°	5092	3543	3344
65°	4835	3229	3046
70°	4474	2894	2752
75°	3998	2501	2440
80°	3221	2105	2129
85°	2269	1737	1810



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.4	2.7
10°-20°	334.5	7.7
20°-30°	508.6	11.7
30°-40°	617.4	14.2
40°-50°	652.5	15.0
50°-60°	610.5	14.0
60°-70°	501.0	11.5
70°-80°	344.6	7.9
80°-90°	188.7	4.3
90°-100°	121.5	2.8
100°-110°	109.0	2.5
110°-120°	90.2	2.1
120°-130°	69.5	1.6
130°-140°	48.8	1.1
140°-150°	29.4	0.7
150°-160°	14.1	0.3
160°-170°	4.6	0.1
170°-180°	0.6	0.0
0°-30°	959.5	22.0
0°-40°	1577.0	36.2
0°-60°	2840.0	65.1
0°-90°	3874.2	88.8
90°-120°	320.8	7.4
90°-150°	468.5	10.7
90°-180°	488.0	11.2
0°-180°	4361.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1225	1225	1225	1225	1225	
5°	1230	1228	1215	1225	1223	117
15°	1177	1182	1180	1195	1195	332
25°	1076	1089	1102	1124	1124	496
35°	937	960	988	1016	1023	585
45°	770	806	851	889	899	594
55°	586	634	692	735	750	524
65°	397	450	518	566	581	393
75°	207	263	338	392	409	218
85°	46	109	184	235	253	53
90°	0	61	129	177	194	3
95°	0	58	124	169	187	0
105°	0	48	116	159	174	2
115°	2	43	98	142	159	2
125°	2	35	83	121	136	2
135°	2	28	68	98	111	2
145°	2	20	48	76	83	2
155°	2	13	30	48	56	1
165°	2	8	15	23	28	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1225.3	1225.3	1225.3	1225.3	1225.3
2.5°	1232.9	1230.3	1217.7	1227.8	1222.8
5°	1230.3	1227.8	1215.2	1225.3	1222.8
7.5°	1220.2	1220.2	1212.7	1222.8	1220.2
10°	1210.1	1210.1	1202.6	1215.2	1212.7
12.5°	1195.0	1197.5	1192.5	1207.6	1205.1
15°	1177.3	1182.3	1179.8	1195.0	1195.0
17.5°	1157.1	1162.1	1162.1	1179.8	1179.8
20°	1131.8	1139.4	1144.5	1164.7	1164.7
22.5°	1106.6	1116.7	1124.2	1141.9	1149.5
25°	1076.2	1088.9	1101.5	1124.2	1124.2
27.5°	1045.9	1061.1	1076.2	1099.0	1101.5
30°	1010.6	1028.2	1048.4	1071.2	1076.2
32.5°	975.2	997.9	1018.1	1045.9	1053.5
35°	937.3	960.0	987.8	1015.6	1023.2
37.5°	894.3	922.1	957.5	987.8	995.4
40°	856.4	886.8	922.1	957.5	965.1
42.5°	813.5	846.3	889.3	922.1	934.8
45°	770.5	805.9	851.4	889.3	899.4
47.5°	725.1	765.5	816.0	851.4	864.0
50°	679.6	722.5	775.6	816.0	826.1
52.5°	634.1	679.6	735.2	775.6	788.2
55°	586.1	634.1	692.2	735.2	750.3
57.5°	540.6	588.6	649.3	694.8	709.9
60°	490.1	545.7	606.3	651.8	669.5
62.5°	447.2	497.7	563.4	608.9	624.0
65°	396.6	449.7	517.9	565.9	581.1
67.5°	348.6	404.2	472.4	523.0	538.1
70°	300.6	356.2	429.5	477.5	495.2
72.5°	252.6	310.7	381.5	434.5	452.2
75°	207.2	262.7	338.5	391.6	409.3
77.5°	159.2	219.8	295.6	348.6	368.9
80°	116.2	179.4	255.2	308.2	328.4
82.5°	78.3	141.5	217.3	270.3	290.5
85°	45.5	108.6	184.4	235.0	252.6
87.5°	22.7	83.4	154.1	204.6	222.3
90°	0.0	60.6	128.8	176.8	194.5
92.5°	0.0	58.1	126.3	171.8	189.5
95°	0.0	58.1	123.8	169.3	187.0
97.5°	0.0	55.6	121.3	169.3	184.4
100°	0.0	53.1	121.3	166.7	181.9
102.5°	0.0	50.5	118.7	164.2	179.4
105°	0.0	48.0	116.2	159.2	174.3
107.5°	2.5	48.0	111.2	156.6	171.8
110°	2.5	45.5	106.1	154.1	169.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	42.9	101.1	149.1	164.2
115°	2.5	42.9	98.5	141.5	159.2
117.5°	2.5	40.4	93.5	136.4	154.1
120°	2.5	40.4	90.9	131.4	146.5
122.5°	2.5	37.9	85.9	126.3	141.5
125°	2.5	35.4	83.4	121.3	136.4
127.5°	2.5	32.8	80.8	116.2	131.4
130°	2.5	30.3	75.8	111.2	123.8
132.5°	2.5	30.3	73.3	103.6	118.7
135°	2.5	27.8	68.2	98.5	111.2
137.5°	2.5	25.3	63.2	93.5	106.1
140°	2.5	22.7	58.1	88.4	98.5
142.5°	2.5	22.7	53.1	80.8	90.9
145°	2.5	20.2	48.0	75.8	83.4
147.5°	2.5	17.7	42.9	68.2	75.8
150°	2.5	17.7	37.9	60.6	68.2
152.5°	2.5	15.2	32.8	55.6	63.2
155°	2.5	12.6	30.3	48.0	55.6
157.5°	2.5	12.6	25.3	40.4	48.0
160°	2.5	10.1	22.7	32.8	40.4
162.5°	2.5	10.1	20.2	27.8	35.4
165°	2.5	7.6	15.2	22.7	27.8
167.5°	2.5	7.6	12.6	17.7	22.7
170°	2.5	5.1	10.1	12.6	17.7
172.5°	2.5	5.1	7.6	7.6	7.6
175°	2.5	2.5	5.1	5.1	2.5
177.5°	2.5	2.5	2.5	2.5	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)