

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: P567857

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567857
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-L950-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

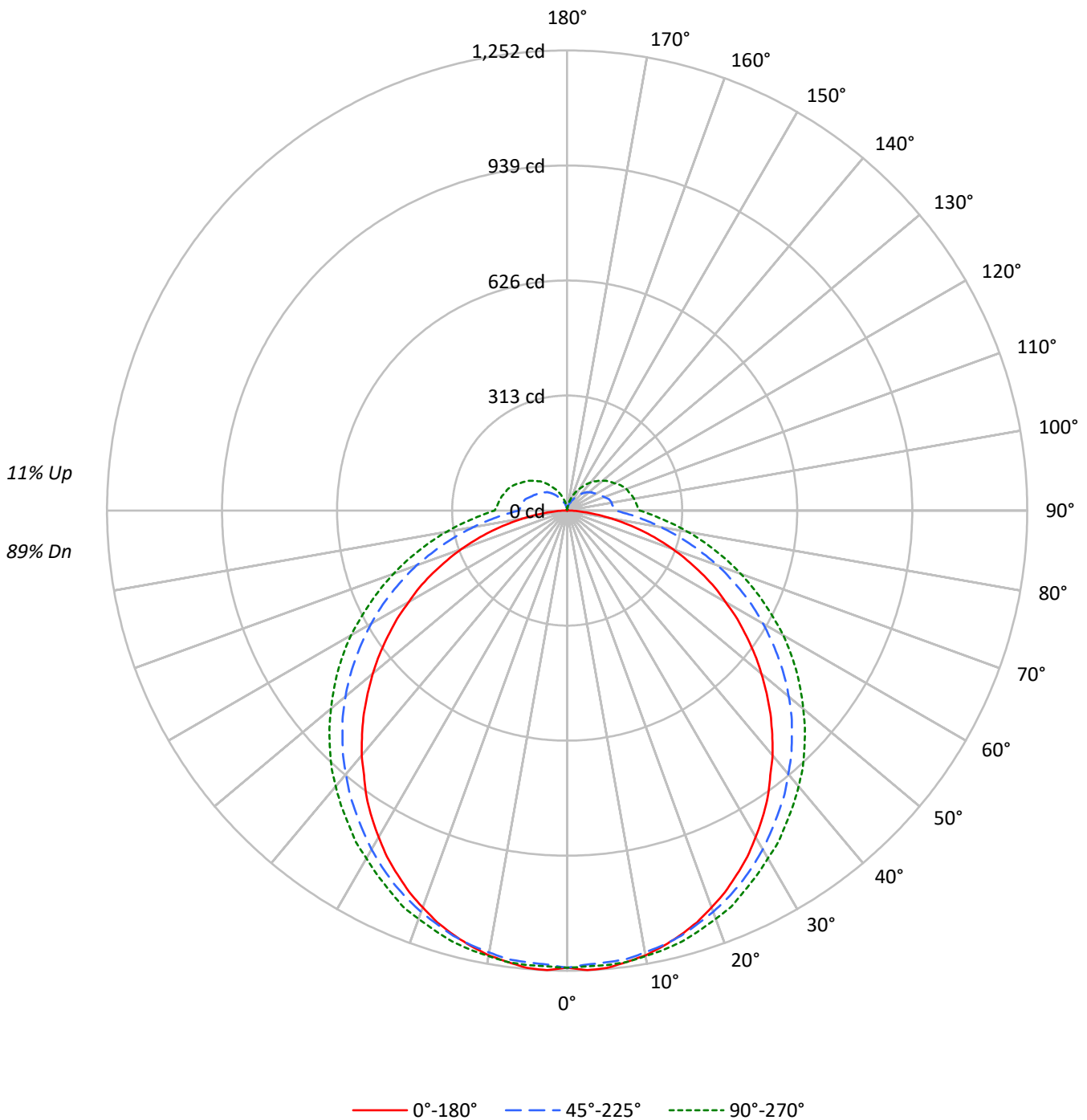
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4428.0 lumens
Efficiency: N/A
Efficacy: 135.0 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 (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°	6694	6694	6694
5°	6735	6393	6337
10°	6689	6145	6020
15°	6622	5904	5735
20°	6531	5654	5449
25°	6425	5413	5170
30°	6299	5165	4902
35°	6162	4915	4653
40°	6003	4671	4414
45°	5832	4426	4169
50°	5636	4174	3913
55°	5422	3892	3661
60°	5169	3597	3395
65°	4908	3278	3092
70°	4543	2937	2794
75°	4058	2540	2477
80°	3271	2137	2161
85°	2304	1763	1837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	2.7
10°-20°	339.6	7.7
20°-30°	516.3	11.7
30°-40°	626.8	14.2
40°-50°	662.3	15.0
50°-60°	619.8	14.0
60°-70°	508.5	11.5
70°-80°	349.8	7.9
80°-90°	191.5	4.3
90°-100°	123.3	2.8
100°-110°	110.7	2.5
110°-120°	91.6	2.1
120°-130°	70.5	1.6
130°-140°	49.6	1.1
140°-150°	29.9	0.7
150°-160°	14.3	0.3
160°-170°	4.7	0.1
170°-180°	0.6	0.0
0°-30°	974.1	22.0
0°-40°	1600.9	36.2
0°-60°	2883.0	65.1
0°-90°	3932.8	88.8
90°-120°	325.6	7.4
90°-150°	475.6	10.7
90°-180°	495.0	11.2
0°-180°	4428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1244	1244	1244	1244	1244	
5°	1249	1246	1234	1244	1241	118
15°	1195	1200	1198	1213	1213	337
25°	1092	1105	1118	1141	1141	503
35°	952	975	1003	1031	1039	594
45°	782	818	864	903	913	603
55°	595	644	703	746	762	532
65°	403	456	526	574	590	399
75°	210	267	344	398	416	221
85°	46	110	187	238	256	53
90°	0	62	131	180	198	3
95°	0	59	126	172	190	0
105°	0	49	118	162	177	2
115°	3	44	100	144	162	3
125°	3	36	85	123	138	2
135°	3	28	69	100	113	2
145°	3	20	49	77	85	2
155°	3	13	31	49	56	1
165°	3	8	15	23	28	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1243.8	1243.8	1243.8	1243.8	1243.8
2.5°	1251.5	1249.0	1236.1	1246.4	1241.3
5°	1249.0	1246.4	1233.6	1243.8	1241.3
7.5°	1238.7	1238.7	1231.0	1241.3	1238.7
10°	1228.4	1228.4	1220.8	1233.6	1231.0
12.5°	1213.1	1215.6	1210.5	1225.9	1223.3
15°	1195.1	1200.2	1197.7	1213.1	1213.1
17.5°	1174.6	1179.7	1179.7	1197.7	1197.7
20°	1148.9	1156.6	1161.8	1182.3	1182.3
22.5°	1123.3	1133.6	1141.3	1159.2	1166.9
25°	1092.5	1105.3	1118.2	1141.3	1141.3
27.5°	1061.7	1077.1	1092.5	1115.6	1118.2
30°	1025.8	1043.8	1064.3	1087.4	1092.5
32.5°	989.9	1013.0	1033.5	1061.7	1069.4
35°	951.5	974.6	1002.8	1031.0	1038.7
37.5°	907.9	936.1	972.0	1002.8	1010.5
40°	869.4	900.2	936.1	972.0	979.7
42.5°	825.8	859.1	902.7	936.1	948.9
45°	782.2	818.1	864.3	902.7	913.0
47.5°	736.0	777.1	828.4	864.3	877.1
50°	689.9	733.5	787.3	828.4	838.6
52.5°	643.7	689.9	746.3	787.3	800.2
55°	595.0	643.7	702.7	746.3	761.7
57.5°	548.8	597.6	659.1	705.3	720.7
60°	497.5	554.0	615.5	661.7	679.6
62.5°	453.9	505.2	571.9	618.1	633.5
65°	402.6	456.5	525.7	574.5	589.9
67.5°	353.9	410.3	479.6	530.9	546.3
70°	305.2	361.6	436.0	484.7	502.7
72.5°	256.5	315.4	387.3	441.1	459.1
75°	210.3	266.7	343.7	397.5	415.5
77.5°	161.6	223.1	300.1	353.9	374.4
80°	118.0	182.1	259.0	312.9	333.4
82.5°	79.5	143.6	220.6	274.4	294.9
85°	46.2	110.3	187.2	238.5	256.5
87.5°	23.1	84.6	156.4	207.7	225.7
90°	0.0	61.6	130.8	179.5	197.5
92.5°	0.0	59.0	128.2	174.4	192.3
95°	0.0	59.0	125.7	171.8	189.8
97.5°	0.0	56.4	123.1	171.8	187.2
100°	0.0	53.9	123.1	169.3	184.7
102.5°	0.0	51.3	120.5	166.7	182.1
105°	0.0	48.7	118.0	161.6	177.0
107.5°	2.6	48.7	112.8	159.0	174.4
110°	2.6	46.2	107.7	156.4	171.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	43.6	102.6	151.3	166.7
115°	2.6	43.6	100.0	143.6	161.6
117.5°	2.6	41.0	94.9	138.5	156.4
120°	2.6	41.0	92.3	133.4	148.7
122.5°	2.6	38.5	87.2	128.2	143.6
125°	2.6	35.9	84.6	123.1	138.5
127.5°	2.6	33.3	82.1	118.0	133.4
130°	2.6	30.8	76.9	112.8	125.7
132.5°	2.6	30.8	74.4	105.1	120.5
135°	2.6	28.2	69.2	100.0	112.8
137.5°	2.6	25.6	64.1	94.9	107.7
140°	2.6	23.1	59.0	89.8	100.0
142.5°	2.6	23.1	53.9	82.1	92.3
145°	2.6	20.5	48.7	76.9	84.6
147.5°	2.6	18.0	43.6	69.2	76.9
150°	2.6	18.0	38.5	61.6	69.2
152.5°	2.6	15.4	33.3	56.4	64.1
155°	2.6	12.8	30.8	48.7	56.4
157.5°	2.6	12.8	25.6	41.0	48.7
160°	2.6	10.3	23.1	33.3	41.0
162.5°	2.6	10.3	20.5	28.2	35.9
165°	2.6	7.7	15.4	23.1	28.2
167.5°	2.6	7.7	12.8	18.0	23.1
170°	2.6	5.1	10.3	12.8	18.0
172.5°	2.6	5.1	7.7	7.7	7.7
175°	2.6	2.6	5.1	5.1	2.6
177.5°	2.6	2.6	2.6	2.6	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)