

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: P567854

Luminaire Tested: **8SNX-52SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567854
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-L930-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

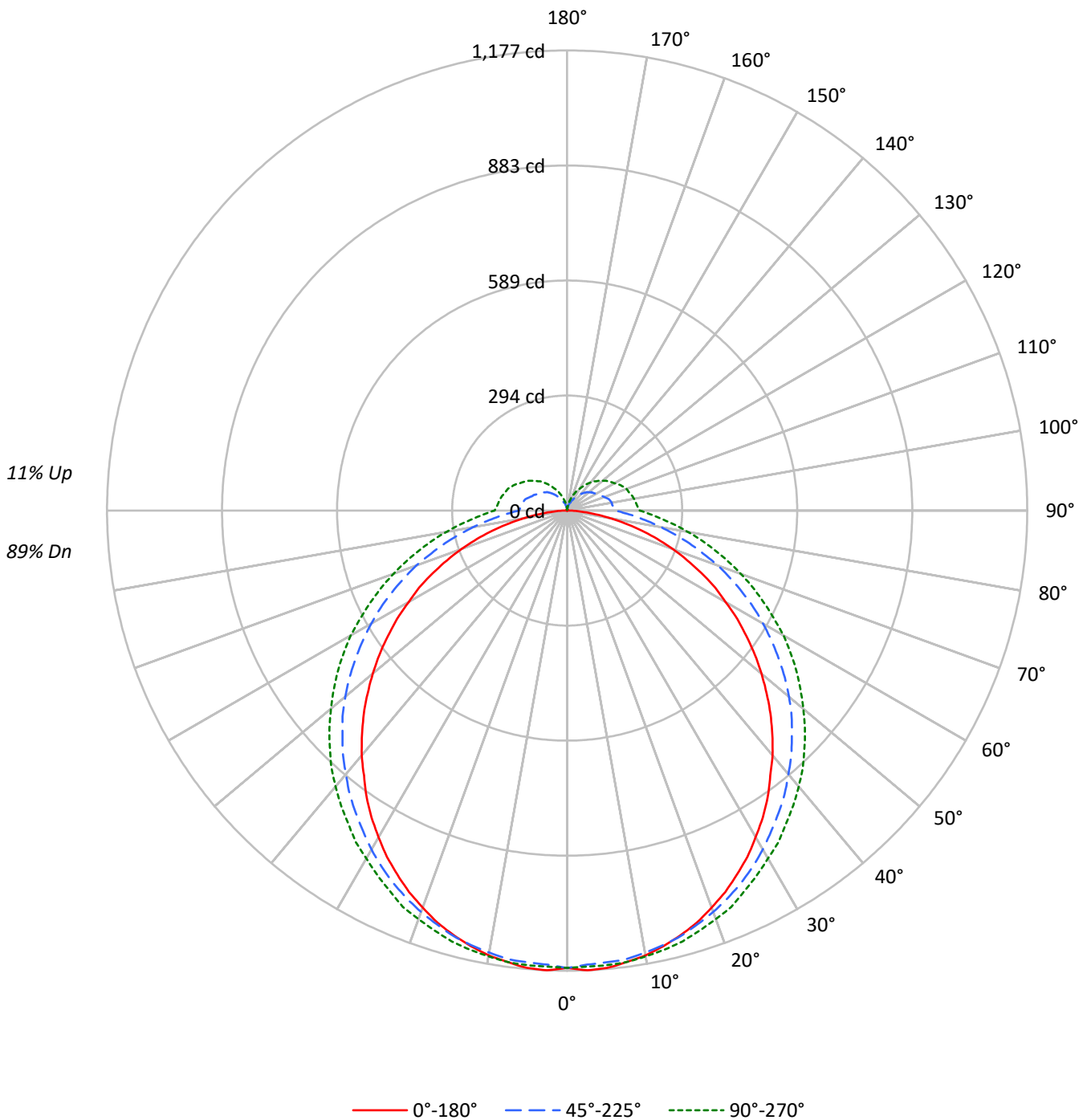
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4164.0 lumens
Efficiency: N/A
Efficacy: 127.0 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_{in}): 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	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°	6295	6295	6295
5°	6334	6011	5959
10°	6290	5778	5661
15°	6227	5552	5392
20°	6141	5316	5124
25°	6042	5090	4862
30°	5924	4857	4610
35°	5794	4622	4375
40°	5645	4393	4151
45°	5485	4162	3921
50°	5300	3925	3679
55°	5098	3660	3443
60°	4861	3382	3193
65°	4615	3082	2907
70°	4272	2762	2627
75°	3816	2388	2329
80°	3074	2010	2032
85°	2165	1659	1728



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	2.7
10°-20°	319.3	7.7
20°-30°	485.6	11.7
30°-40°	589.4	14.2
40°-50°	622.8	15.0
50°-60°	582.8	14.0
60°-70°	478.2	11.5
70°-80°	328.9	7.9
80°-90°	180.1	4.3
90°-100°	116.0	2.8
100°-110°	104.1	2.5
110°-120°	86.2	2.1
120°-130°	66.3	1.6
130°-140°	46.6	1.1
140°-150°	28.1	0.7
150°-160°	13.5	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	916.0	22.0
0°-40°	1505.4	36.2
0°-60°	2711.1	65.1
0°-90°	3698.3	88.8
90°-120°	306.2	7.4
90°-150°	447.3	10.7
90°-180°	466.0	11.2
0°-180°	4164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1170	1170	1170	1170	1170	
5°	1174	1172	1160	1170	1167	111
15°	1124	1129	1126	1141	1141	317
25°	1027	1039	1052	1073	1073	473
35°	895	916	943	970	977	559
45°	736	769	813	849	859	567
55°	560	605	661	702	716	501
65°	379	429	494	540	555	375
75°	198	251	323	374	391	208
85°	43	104	176	224	241	50
90°	0	58	123	169	186	3
95°	0	56	118	162	178	0
105°	0	46	111	152	166	2
115°	2	41	94	135	152	2
125°	2	34	80	116	130	2
135°	2	26	65	94	106	2
145°	2	19	46	72	80	2
155°	2	12	29	46	53	1
165°	2	7	14	22	26	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°	1169.7	1169.7	1169.7	1169.7	1169.7
2.5°	1176.9	1174.5	1162.4	1172.1	1167.3
5°	1174.5	1172.1	1160.0	1169.7	1167.3
7.5°	1164.9	1164.9	1157.6	1167.3	1164.9
10°	1155.2	1155.2	1148.0	1160.0	1157.6
12.5°	1140.7	1143.1	1138.3	1152.8	1150.4
15°	1123.9	1128.7	1126.3	1140.7	1140.7
17.5°	1104.6	1109.4	1109.4	1126.3	1126.3
20°	1080.4	1087.7	1092.5	1111.8	1111.8
22.5°	1056.3	1066.0	1073.2	1090.1	1097.3
25°	1027.4	1039.4	1051.5	1073.2	1073.2
27.5°	998.4	1012.9	1027.4	1049.1	1051.5
30°	964.7	981.6	1000.9	1022.6	1027.4
32.5°	930.9	952.6	971.9	998.4	1005.7
35°	894.7	916.4	943.0	969.5	976.7
37.5°	853.7	880.3	914.0	943.0	950.2
40°	817.6	846.5	880.3	914.0	921.3
42.5°	776.6	807.9	848.9	880.3	892.3
45°	735.6	769.3	812.7	848.9	858.6
47.5°	692.2	730.7	779.0	812.7	824.8
50°	648.7	689.7	740.4	779.0	788.6
52.5°	605.3	648.7	701.8	740.4	752.5
55°	559.5	605.3	660.8	701.8	716.3
57.5°	516.1	561.9	619.8	663.2	677.7
60°	467.9	520.9	578.8	622.2	639.1
62.5°	426.9	475.1	537.8	581.2	595.7
65°	378.6	429.3	494.4	540.2	554.7
67.5°	332.8	385.9	451.0	499.2	513.7
70°	287.0	340.1	410.0	455.8	472.7
72.5°	241.2	296.6	364.2	414.8	431.7
75°	197.8	250.8	323.2	373.8	390.7
77.5°	151.9	209.8	282.2	332.8	352.1
80°	110.9	171.2	243.6	294.2	313.5
82.5°	74.8	135.1	207.4	258.1	277.3
85°	43.4	103.7	176.1	224.3	241.2
87.5°	21.7	79.6	147.1	195.3	212.2
90°	0.0	57.9	123.0	168.8	185.7
92.5°	0.0	55.5	120.6	164.0	180.9
95°	0.0	55.5	118.2	161.6	178.5
97.5°	0.0	53.1	115.8	161.6	176.1
100°	0.0	50.6	115.8	159.2	173.6
102.5°	0.0	48.2	113.4	156.8	171.2
105°	0.0	45.8	110.9	151.9	166.4
107.5°	2.4	45.8	106.1	149.5	164.0
110°	2.4	43.4	101.3	147.1	161.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	41.0	96.5	142.3	156.8
115°	2.4	41.0	94.1	135.1	151.9
117.5°	2.4	38.6	89.2	130.2	147.1
120°	2.4	38.6	86.8	125.4	139.9
122.5°	2.4	36.2	82.0	120.6	135.1
125°	2.4	33.8	79.6	115.8	130.2
127.5°	2.4	31.4	77.2	110.9	125.4
130°	2.4	28.9	72.4	106.1	118.2
132.5°	2.4	28.9	69.9	98.9	113.4
135°	2.4	26.5	65.1	94.1	106.1
137.5°	2.4	24.1	60.3	89.2	101.3
140°	2.4	21.7	55.5	84.4	94.1
142.5°	2.4	21.7	50.6	77.2	86.8
145°	2.4	19.3	45.8	72.4	79.6
147.5°	2.4	16.9	41.0	65.1	72.4
150°	2.4	16.9	36.2	57.9	65.1
152.5°	2.4	14.5	31.4	53.1	60.3
155°	2.4	12.1	28.9	45.8	53.1
157.5°	2.4	12.1	24.1	38.6	45.8
160°	2.4	9.6	21.7	31.4	38.6
162.5°	2.4	9.6	19.3	26.5	33.8
165°	2.4	7.2	14.5	21.7	26.5
167.5°	2.4	7.2	12.1	16.9	21.7
170°	2.4	4.8	9.6	12.1	16.9
172.5°	2.4	4.8	7.2	7.2	7.2
175°	2.4	2.4	4.8	4.8	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)