

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: P568087

Luminaire Tested: **8SNX-90SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-90SL-LN-UNV-L935-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

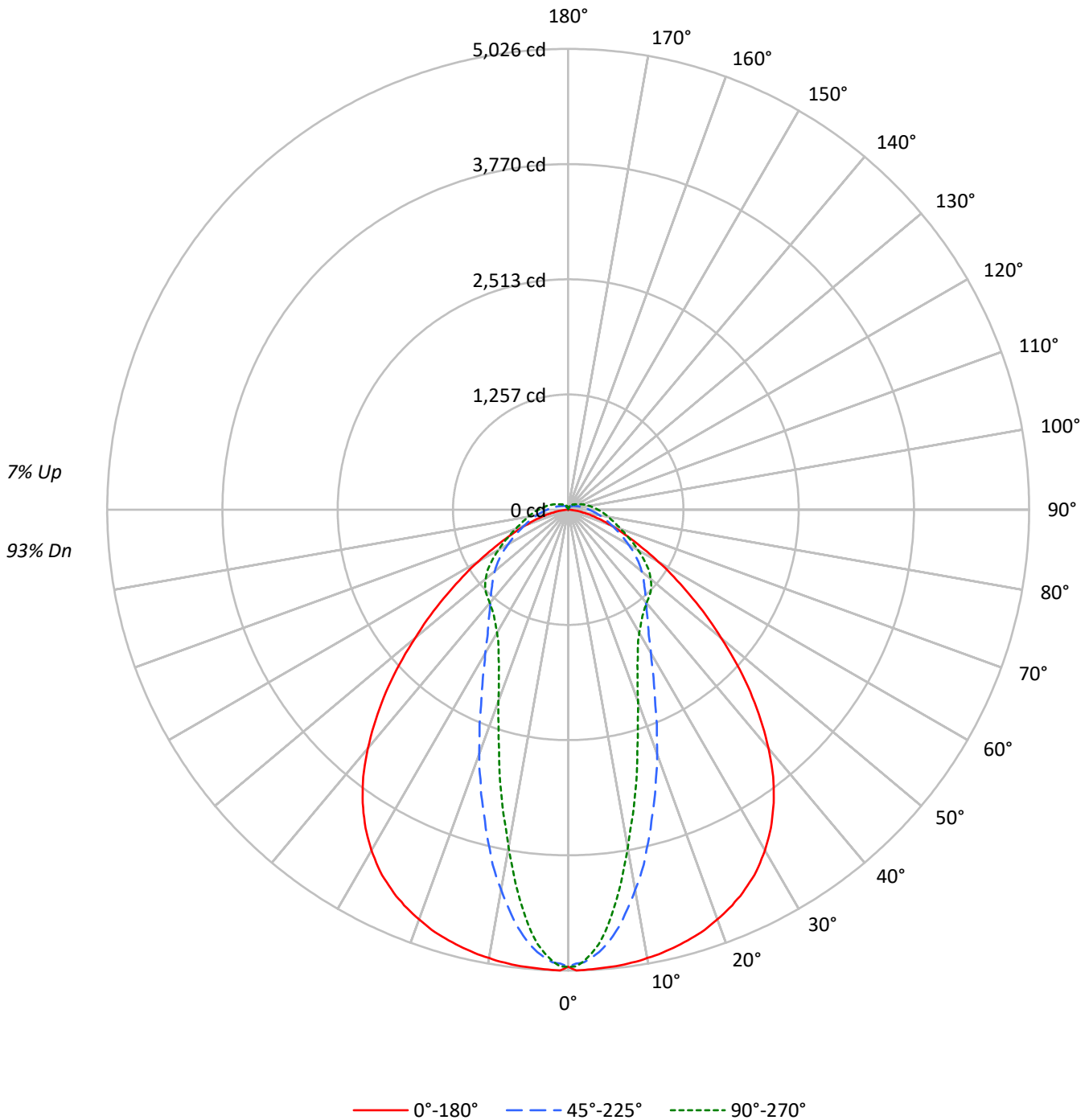
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7946.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 59.6
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26828	26828	26828
5°	27016	24688	23597
10°	27028	21192	18308
15°	27066	17306	13722
20°	27033	13800	10268
25°	26843	10826	8150
30°	26339	8770	6951
35°	25295	7430	6323
40°	23464	6566	5985
45°	20927	6015	5800
50°	17794	5542	5479
55°	14685	5027	5004
60°	11811	4429	4390
65°	9239	3895	3820
70°	7251	3451	3379
75°	5705	3108	3079
80°	4155	2851	2861
85°	2494	2667	2744



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.4	5.6
10°-20°	1034.7	13.0
20°-30°	1228.2	15.5
30°-40°	1235.7	15.6
40°-50°	1148.7	14.5
50°-60°	945.9	11.9
60°-70°	666.5	8.4
70°-80°	435.4	5.5
80°-90°	278.0	3.5
90°-100°	182.3	2.3
100°-110°	123.8	1.6
110°-120°	84.8	1.1
120°-130°	58.7	0.7
130°-140°	39.5	0.5
140°-150°	24.3	0.3
150°-160°	12.6	0.2
160°-170°	4.6	0.1
170°-180°	0.8	0.0
0°-30°	2704.4	34.0
0°-40°	3940.1	49.6
0°-60°	6034.7	75.9
0°-90°	7414.6	93.3
90°-120°	390.9	4.9
90°-150°	513.4	6.5
90°-180°	531.0	6.7
0°-180°	7946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4985	4985	4985	4985	4985	
5°	5010	4943	4764	4672	4622	477
15°	4885	4364	3511	3069	2903	1380
25°	4564	3373	2236	1878	1799	2100
35°	3906	2282	1516	1420	1412	2429
45°	2807	1503	1174	1237	1270	2155
55°	1612	987	908	1008	1041	1456
65°	758	596	625	704	729	769
75°	296	308	421	496	516	320
85°	50	142	283	366	383	63
90°	0	96	229	312	325	3
95°	0	71	192	262	275	0
105°	0	50	129	183	200	0
115°	4	42	92	133	142	4
125°	4	33	75	96	104	4
135°	4	29	58	75	79	3
145°	4	21	42	58	62	3
155°	4	17	29	42	46	2
165°	4	8	17	21	25	1
175°	8	8	8	8	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4984.8	4984.8	4984.8	4984.8	4984.8
1°	5026.4	5005.6	4951.4	4988.9	4980.6
2°	5022.2	5001.4	4939.0	4955.6	4926.5
3°	5018.1	4988.9	4893.1	4889.0	4847.3
4°	5013.9	4968.1	4834.8	4784.9	4751.6
5°	5009.8	4943.1	4764.1	4672.4	4622.5
6°	5005.6	4914.0	4672.4	4535.0	4464.2
7°	4997.3	4868.2	4576.7	4389.3	4297.6
8°	4988.9	4826.5	4455.9	4231.0	4118.6
9°	4980.6	4772.4	4335.1	4060.3	3927.0
10°	4963.9	4718.2	4210.2	3885.4	3743.8
11°	4955.6	4655.8	4089.4	3718.8	3552.2
12°	4939.0	4589.1	3960.3	3543.9	3398.1
13°	4922.3	4518.4	3802.1	3394.0	3219.1
14°	4905.6	4443.4	3664.7	3227.4	3065.0
15°	4884.8	4364.3	3510.6	3069.1	2902.6
16°	4864.0	4272.7	3373.1	2906.7	2731.8
17°	4843.2	4185.2	3244.1	2756.8	2598.6
18°	4818.2	4097.8	3094.1	2611.1	2457.0
19°	4784.9	3997.8	2973.4	2477.8	2336.2
20°	4755.7	3906.2	2835.9	2352.9	2227.9
21°	4722.4	3793.8	2698.5	2236.3	2111.3
22.5°	4672.4	3635.5	2523.6	2090.5	1973.9
23°	4647.4	3589.7	2452.8	2036.4	1936.4
24°	4614.1	3468.9	2336.2	1953.1	1853.1
25°	4564.2	3373.1	2236.3	1878.1	1799.0
26°	4518.4	3256.5	2136.3	1811.5	1732.4
27°	4472.5	3144.1	2048.9	1740.7	1674.1
28°	4414.2	3027.5	1953.1	1682.4	1624.1
29°	4351.8	2919.2	1874.0	1632.4	1586.6
30°	4289.3	2798.5	1807.3	1586.6	1549.1
32.5°	4114.4	2531.9	1636.6	1499.2	1474.2
35°	3906.2	2282.1	1515.8	1420.1	1411.7
37.5°	3673.0	2053.0	1407.6	1357.6	1365.9
40°	3398.1	1844.8	1315.9	1311.8	1328.4
42.5°	3106.6	1665.8	1245.1	1274.3	1299.3
45°	2806.8	1503.3	1174.4	1236.8	1270.1
47.5°	2494.5	1361.8	1111.9	1191.0	1228.5
50°	2178.0	1224.3	1045.3	1136.9	1174.4
52.5°	1894.8	1103.6	978.6	1074.4	1116.1
55°	1611.6	987.0	907.8	1007.8	1041.1
57.5°	1365.9	878.7	832.9	932.8	957.8
60°	1136.9	774.6	757.9	849.5	878.7
62.5°	928.7	683.0	687.1	774.6	803.7
65°	757.9	595.5	624.7	703.8	728.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	616.3	512.2	562.2	645.5	666.3
70°	487.2	437.3	512.2	587.2	608.0
72.5°	387.3	370.6	462.2	541.4	558.0
75°	295.7	308.2	420.6	495.6	516.4
77.5°	212.4	258.2	379.0	458.1	474.7
80°	149.9	212.4	345.6	424.8	441.4
82.5°	95.8	174.9	312.3	395.6	412.3
85°	50.0	141.6	283.2	366.5	383.1
87.5°	20.8	116.6	254.0	337.3	354.0
90°	0.0	95.8	229.0	312.3	324.8
92.5°	0.0	83.3	208.2	287.3	299.8
95°	0.0	70.8	191.6	262.4	274.8
97.5°	0.0	66.6	170.7	241.5	254.0
100°	0.0	58.3	154.1	220.7	237.4
102.5°	0.0	54.1	141.6	199.9	216.5
105°	0.0	50.0	129.1	183.2	199.9
107.5°	0.0	45.8	120.8	170.7	183.2
110°	0.0	45.8	108.3	158.2	170.7
112.5°	4.2	41.6	99.9	141.6	154.1
115°	4.2	41.6	91.6	133.3	141.6
117.5°	4.2	41.6	87.5	120.8	129.1
120°	4.2	37.5	83.3	112.4	120.8
122.5°	4.2	37.5	79.1	104.1	108.3
125°	4.2	33.3	75.0	95.8	104.1
127.5°	4.2	33.3	70.8	91.6	95.8
130°	4.2	33.3	66.6	83.3	91.6
132.5°	4.2	29.2	62.5	79.1	83.3
135°	4.2	29.2	58.3	75.0	79.1
137.5°	4.2	25.0	54.1	70.8	75.0
140°	4.2	25.0	50.0	66.6	70.8
142.5°	4.2	20.8	45.8	62.5	66.6
145°	4.2	20.8	41.6	58.3	62.5
147.5°	4.2	20.8	37.5	54.1	58.3
150°	4.2	16.7	33.3	50.0	54.1
152.5°	4.2	16.7	29.2	45.8	50.0
155°	4.2	16.7	29.2	41.6	45.8
157.5°	4.2	12.5	25.0	33.3	41.6
160°	4.2	12.5	20.8	29.2	37.5
162.5°	4.2	12.5	20.8	25.0	29.2
165°	4.2	8.3	16.7	20.8	25.0
167.5°	4.2	8.3	12.5	16.7	20.8
170°	4.2	8.3	12.5	12.5	16.7
172.5°	4.2	8.3	8.3	8.3	8.3
175°	8.3	8.3	8.3	8.3	4.2
177.5°	8.3	8.3	8.3	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)