

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: P568089

Luminaire Tested: **8SNX-90SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568089
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-L950-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

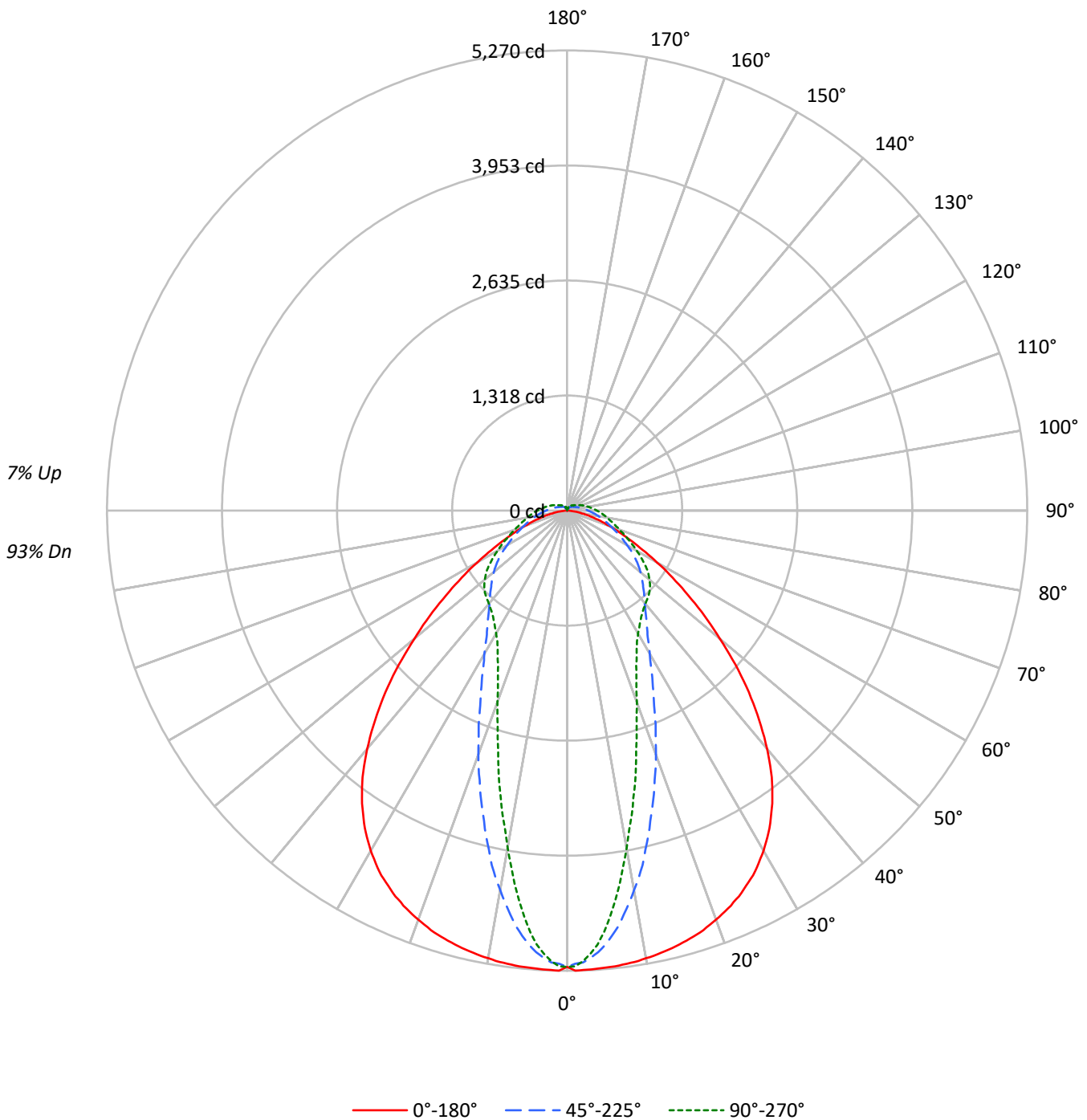
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8331.0 lumens
Efficiency: N/A
Efficacy: 139.8 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

TEST NUMBER: P568089
CATALOG NUMBER: 8SNX-90SL-LN-UNV-L950-CD

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°	28128	28128	28128
5°	28325	25884	24740
10°	28338	22219	19195
15°	28378	18145	14386
20°	28342	14469	10766
25°	28143	11350	8545
30°	27615	9195	7288
35°	26521	7790	6630
40°	24601	6885	6275
45°	21941	6306	6081
50°	18656	5810	5745
55°	15397	5271	5246
60°	12384	4643	4602
65°	9686	4083	4005
70°	7603	3618	3543
75°	5981	3258	3228
80°	4357	2990	3000
85°	2613	2796	2878



TEST NUMBER: P568089

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.8	5.6
10°-20°	1084.9	13.0
20°-30°	1287.7	15.5
30°-40°	1295.6	15.6
40°-50°	1204.3	14.5
50°-60°	991.7	11.9
60°-70°	698.8	8.4
70°-80°	456.5	5.5
80°-90°	291.5	3.5
90°-100°	191.2	2.3
100°-110°	129.8	1.6
110°-120°	88.9	1.1
120°-130°	61.5	0.7
130°-140°	41.4	0.5
140°-150°	25.5	0.3
150°-160°	13.2	0.2
160°-170°	4.8	0.1
170°-180°	0.8	0.0
0°-30°	2835.4	34.0
0°-40°	4131.0	49.6
0°-60°	6327.0	75.9
0°-90°	7773.8	93.3
90°-120°	409.9	4.9
90°-150°	538.3	6.5
90°-180°	557.0	6.7
0°-180°	8331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5226	5226	5226	5226	5226	
5°	5252	5183	4995	4899	4846	500
15°	5122	4576	3681	3218	3043	1446
25°	4785	3537	2345	1969	1886	2202
35°	4096	2393	1589	1489	1480	2547
45°	2943	1576	1231	1297	1332	2259
55°	1690	1035	952	1057	1092	1526
65°	795	624	655	738	764	806
75°	310	323	441	520	541	335
85°	52	148	297	384	402	66
90°	0	100	240	328	341	3
95°	0	74	201	275	288	0
105°	0	52	135	192	210	0
115°	4	44	96	140	148	4
125°	4	35	79	100	109	4
135°	4	31	61	79	83	3
145°	4	22	44	61	66	3
155°	4	18	31	44	48	2
165°	4	9	18	22	26	1
175°	9	9	9	9	4	1
180°	4	4	4	4	4	



TEST NUMBER: P568089

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5226.3	5226.3	5226.3	5226.3	5226.3
1°	5269.9	5248.1	5191.4	5230.7	5221.9
2°	5265.6	5243.8	5178.3	5195.7	5165.2
3°	5261.2	5230.7	5130.2	5125.9	5082.2
4°	5256.8	5208.8	5069.1	5016.7	4981.8
5°	5252.5	5182.6	4994.9	4898.8	4846.4
6°	5248.1	5152.1	4898.8	4754.7	4680.5
7°	5239.4	5104.0	4798.4	4601.9	4505.9
8°	5230.7	5060.4	4671.8	4436.0	4318.1
9°	5221.9	5003.6	4545.2	4257.0	4117.3
10°	5204.5	4946.9	4414.2	4073.6	3925.2
11°	5195.7	4881.4	4287.6	3899.0	3724.3
12°	5178.3	4811.5	4152.2	3715.6	3562.8
13°	5160.8	4737.3	3986.3	3558.4	3375.0
14°	5143.3	4658.7	3842.2	3383.8	3213.5
15°	5121.5	4575.7	3680.7	3217.9	3043.2
16°	5099.7	4479.7	3536.6	3047.6	2864.2
17°	5077.8	4388.0	3401.2	2890.4	2724.5
18°	5051.6	4296.3	3244.1	2737.6	2576.0
19°	5016.7	4191.5	3117.4	2597.9	2449.4
20°	4986.1	4095.5	2973.4	2466.9	2335.9
21°	4951.2	3977.6	2829.3	2344.6	2213.6
22.5°	4898.8	3811.7	2645.9	2191.8	2069.6
23°	4872.6	3763.6	2571.7	2135.0	2030.3
24°	4837.7	3637.0	2449.4	2047.7	1942.9
25°	4785.3	3536.6	2344.6	1969.1	1886.2
26°	4737.3	3414.3	2239.8	1899.3	1816.3
27°	4689.2	3296.4	2148.1	1825.1	1755.2
28°	4628.1	3174.2	2047.7	1763.9	1702.8
29°	4562.6	3060.7	1964.8	1711.5	1663.5
30°	4497.1	2934.1	1894.9	1663.5	1624.2
32.5°	4313.8	2654.6	1715.9	1571.8	1545.6
35°	4095.5	2392.7	1589.3	1488.9	1480.1
37.5°	3850.9	2152.5	1475.8	1423.4	1432.1
40°	3562.8	1934.2	1379.7	1375.3	1392.8
42.5°	3257.2	1746.5	1305.5	1336.0	1362.2
45°	2942.8	1576.2	1231.3	1296.7	1331.7
47.5°	2615.3	1427.7	1165.8	1248.7	1288.0
50°	2283.5	1283.6	1095.9	1192.0	1231.3
52.5°	1986.6	1157.0	1026.0	1126.5	1170.1
55°	1689.7	1034.8	951.8	1056.6	1091.5
57.5°	1432.1	921.3	873.2	978.0	1004.2
60°	1192.0	812.1	794.6	890.7	921.3
62.5°	973.7	716.0	720.4	812.1	842.7
65°	794.6	624.4	654.9	737.9	764.1



TEST NUMBER: P568089

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	646.2	537.0	589.4	676.8	698.6
70°	510.8	458.4	537.0	615.6	637.5
72.5°	406.1	388.6	484.6	567.6	585.1
75°	310.0	323.1	441.0	519.6	541.4
77.5°	222.7	270.7	397.3	480.3	497.7
80°	157.2	222.7	362.4	445.3	462.8
82.5°	100.4	183.4	327.5	414.8	432.2
85°	52.4	148.4	296.9	384.2	401.7
87.5°	21.8	122.3	266.3	353.7	371.1
90°	0.0	100.4	240.1	327.5	340.6
92.5°	0.0	87.3	218.3	301.3	314.4
95°	0.0	74.2	200.8	275.1	288.2
97.5°	0.0	69.9	179.0	253.2	266.3
100°	0.0	61.1	161.5	231.4	248.9
102.5°	0.0	56.8	148.4	209.6	227.0
105°	0.0	52.4	135.4	192.1	209.6
107.5°	0.0	48.0	126.6	179.0	192.1
110°	0.0	48.0	113.5	165.9	179.0
112.5°	4.4	43.7	104.8	148.4	161.5
115°	4.4	43.7	96.1	139.7	148.4
117.5°	4.4	43.7	91.7	126.6	135.4
120°	4.4	39.3	87.3	117.9	126.6
122.5°	4.4	39.3	83.0	109.2	113.5
125°	4.4	34.9	78.6	100.4	109.2
127.5°	4.4	34.9	74.2	96.1	100.4
130°	4.4	34.9	69.9	87.3	96.1
132.5°	4.4	30.6	65.5	83.0	87.3
135°	4.4	30.6	61.1	78.6	83.0
137.5°	4.4	26.2	56.8	74.2	78.6
140°	4.4	26.2	52.4	69.9	74.2
142.5°	4.4	21.8	48.0	65.5	69.9
145°	4.4	21.8	43.7	61.1	65.5
147.5°	4.4	21.8	39.3	56.8	61.1
150°	4.4	17.5	34.9	52.4	56.8
152.5°	4.4	17.5	30.6	48.0	52.4
155°	4.4	17.5	30.6	43.7	48.0
157.5°	4.4	13.1	26.2	34.9	43.7
160°	4.4	13.1	21.8	30.6	39.3
162.5°	4.4	13.1	21.8	26.2	30.6
165°	4.4	8.7	17.5	21.8	26.2
167.5°	4.4	8.7	13.1	17.5	21.8
170°	4.4	8.7	13.1	13.1	17.5
172.5°	4.4	8.7	8.7	8.7	8.7
175°	8.7	8.7	8.7	8.7	4.4
177.5°	8.7	8.7	8.7	4.4	4.4



TEST NUMBER: P568089

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)