

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: P568080

Luminaire Tested: **8SNX-90SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-90SL-LC-UNV-L940-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

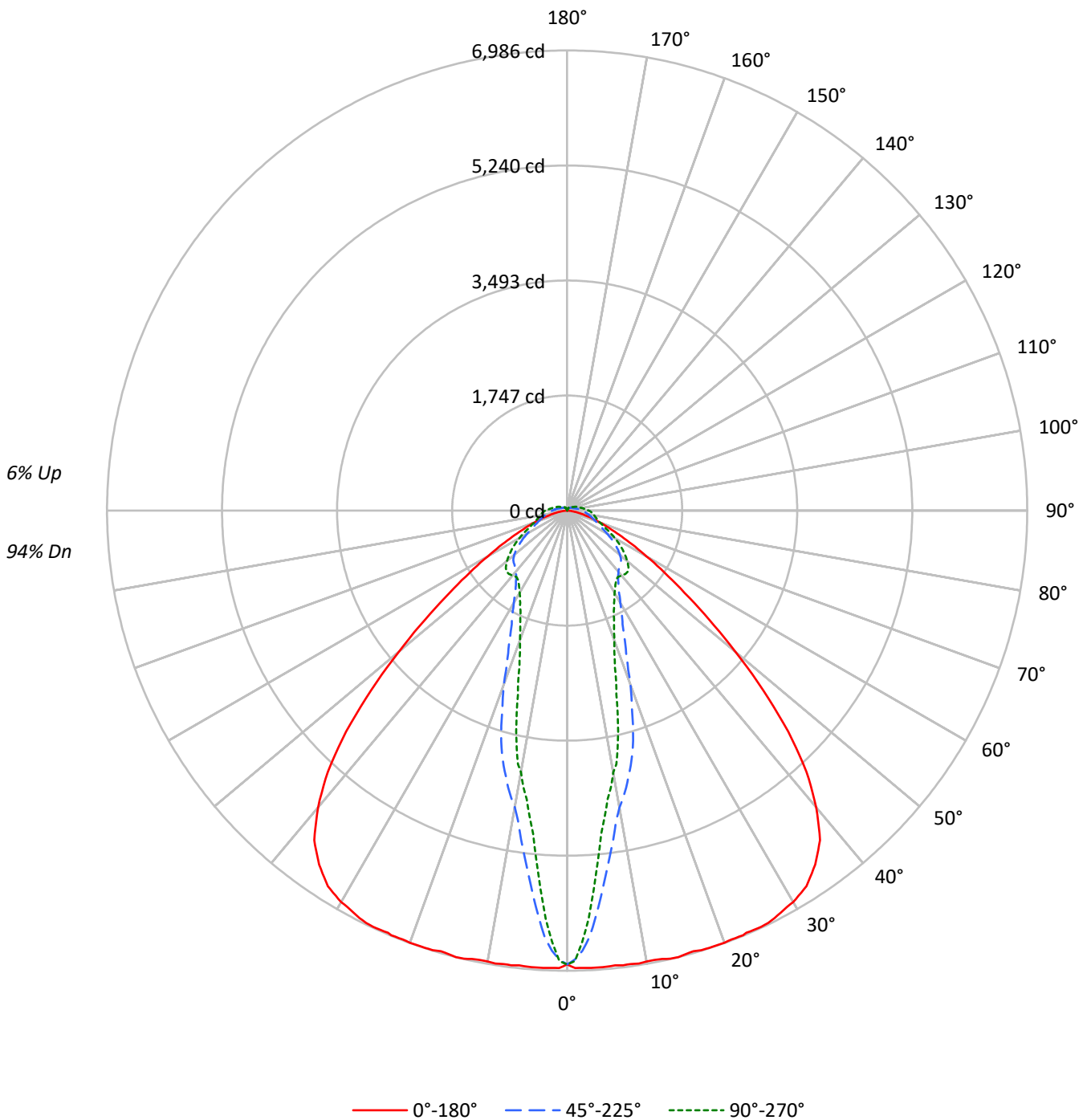
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8493.1 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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 (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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37081	37081	37081
5°	37484	30494	27262
10°	37848	23047	19730
15°	38611	18860	13662
20°	39684	13661	9649
25°	41007	9798	7591
30°	42148	7836	6465
35°	42503	6635	5790
40°	40632	6038	5804
45°	35372	5840	5963
50°	27239	5561	5564
55°	19830	4869	4937
60°	14470	4069	4175
65°	10612	3447	3422
70°	7903	3050	2951
75°	5711	2830	2751
80°	3861	2657	2708
85°	1955	2542	2713



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.8	6.4
10°-20°	1176.6	13.9
20°-30°	1346.8	15.9
30°-40°	1349.2	15.9
40°-50°	1277.2	15.0
50°-60°	979.5	11.5
60°-70°	631.4	7.4
70°-80°	402.6	4.7
80°-90°	267.4	3.1
90°-100°	179.7	2.1
100°-110°	118.4	1.4
110°-120°	82.4	1.0
120°-130°	57.5	0.7
130°-140°	39.9	0.5
140°-150°	24.4	0.3
150°-160°	12.4	0.1
160°-170°	4.8	0.1
170°-180°	0.9	0.0
0°-30°	3065.3	36.1
0°-40°	4414.5	52.0
0°-60°	6671.3	78.5
0°-90°	7972.7	93.9
90°-120°	380.6	4.5
90°-150°	502.3	5.9
90°-180°	520.0	6.1
0°-180°	8493.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6890	6890	6890	6890	6890	
5°	6951	6568	5884	5488	5340	664
15°	6968	5018	3826	3142	2890	1976
25°	6973	3552	2024	1758	1676	3214
35°	6564	1976	1354	1310	1293	4072
45°	4744	1249	1140	1262	1306	3607
55°	2176	892	879	988	1027	2001
65°	870	562	553	631	653	895
75°	296	305	383	440	461	325
85°	39	139	270	352	379	54
90°	0	96	226	313	326	2
95°	0	70	187	257	270	0
105°	0	52	122	174	187	3
115°	4	44	91	126	135	4
125°	4	39	78	91	96	4
135°	4	30	61	74	78	3
145°	4	22	44	57	61	3
155°	4	13	26	39	44	2
165°	9	9	17	22	26	2
175°	9	9	9	9	4	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6889.9	6889.9	6889.9	6889.9	6889.9
1°	6946.5	6907.3	6815.9	6842.1	6837.7
2°	6946.5	6863.8	6685.4	6633.1	6554.8
3°	6950.9	6789.8	6485.2	6315.4	6206.6
4°	6950.9	6681.0	6189.2	5906.3	5767.0
5°	6950.9	6567.9	5884.5	5488.4	5340.5
6°	6942.2	6432.9	5575.5	5157.7	4935.7
7°	6955.2	6284.9	5296.9	4848.6	4674.5
8°	6950.9	6110.8	5040.1	4613.6	4422.1
9°	6963.9	5941.1	4761.6	4391.6	4248.0
10°	6950.9	5784.4	4578.8	4182.7	4034.7
11°	6950.9	5632.1	4448.2	4047.8	3921.6
12°	6959.6	5458.0	4304.6	3856.3	3682.2
13°	6981.3	5279.5	4139.2	3647.4	3442.8
14°	6985.7	5144.6	3986.8	3381.9	3168.6
15°	6968.3	5018.4	3825.8	3142.5	2890.0
16°	6959.6	4887.8	3634.3	2916.1	2689.8
17°	6977.0	4735.5	3416.7	2685.5	2476.5
18°	6981.3	4596.2	3186.0	2511.4	2328.6
19°	6981.3	4487.4	2998.8	2350.3	2193.6
20°	6981.3	4382.9	2807.3	2228.5	2093.5
21°	6972.6	4252.3	2589.7	2102.2	1989.1
22.5°	6977.0	4008.6	2341.6	1954.3	1862.9
23°	6963.9	3947.7	2280.7	1915.1	1819.3
24°	6968.3	3773.6	2150.1	1836.7	1745.3
25°	6972.6	3551.6	2023.9	1758.4	1675.7
26°	6963.9	3373.2	1919.4	1684.4	1627.8
27°	6942.2	3229.5	1845.4	1623.5	1571.2
28°	6911.7	3038.0	1767.1	1571.2	1523.4
29°	6881.2	2820.4	1688.8	1514.7	1479.8
30°	6863.8	2646.3	1614.8	1471.1	1440.7
32.5°	6759.4	2302.4	1462.4	1384.1	1358.0
35°	6563.5	1976.0	1353.6	1310.1	1292.7
37.5°	6306.7	1723.6	1270.9	1262.2	1266.6
40°	5884.5	1523.4	1210.0	1249.2	1288.3
42.5°	5379.6	1366.7	1166.5	1262.2	1305.7
45°	4744.2	1249.2	1140.3	1262.2	1305.7
47.5°	4039.1	1153.4	1109.9	1218.7	1262.2
50°	3334.0	1066.4	1048.9	1153.4	1192.6
52.5°	2711.6	983.7	970.6	1070.7	1109.9
55°	2176.2	892.3	879.2	988.0	1027.2
57.5°	1745.3	805.2	792.1	892.3	931.4
60°	1392.8	718.2	696.4	796.5	835.7
62.5°	1109.9	635.5	622.4	709.4	744.3
65°	870.5	561.5	552.8	631.1	652.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	687.7	491.8	496.2	561.5	587.6
70°	531.0	426.5	452.7	513.6	531.0
72.5°	400.4	361.3	417.8	470.1	491.8
75°	296.0	304.7	383.0	439.6	461.4
77.5°	204.6	252.4	352.5	413.5	435.2
80°	139.3	204.6	322.1	391.7	417.8
82.5°	82.7	169.7	296.0	370.0	400.4
85°	39.2	139.3	269.9	352.5	378.7
87.5°	13.1	113.2	243.7	335.1	356.9
90°	0.0	95.8	226.3	313.4	326.4
92.5°	0.0	82.7	204.6	287.3	296.0
95°	0.0	69.6	187.2	256.8	269.9
97.5°	0.0	65.3	174.1	230.7	248.1
100°	0.0	60.9	156.7	208.9	226.3
102.5°	0.0	52.2	139.3	187.2	204.6
105°	0.0	52.2	121.9	174.1	187.2
107.5°	4.4	47.9	113.2	156.7	174.1
110°	4.4	47.9	100.1	148.0	161.0
112.5°	4.4	47.9	95.8	134.9	152.3
115°	4.4	43.5	91.4	126.2	134.9
117.5°	4.4	43.5	87.0	113.2	121.9
120°	4.4	39.2	82.7	104.5	108.8
122.5°	4.4	39.2	78.3	95.8	100.1
125°	4.4	39.2	78.3	91.4	95.8
127.5°	4.4	34.8	74.0	87.0	87.0
130°	4.4	34.8	69.6	82.7	82.7
132.5°	4.4	30.5	65.3	78.3	82.7
135°	4.4	30.5	60.9	74.0	78.3
137.5°	4.4	26.1	56.6	69.6	74.0
140°	4.4	26.1	52.2	65.3	69.6
142.5°	4.4	21.8	47.9	60.9	65.3
145°	4.4	21.8	43.5	56.6	60.9
147.5°	4.4	21.8	39.2	52.2	56.6
150°	4.4	17.4	34.8	47.9	52.2
152.5°	4.4	17.4	30.5	43.5	47.9
155°	4.4	13.1	26.1	39.2	43.5
157.5°	4.4	13.1	26.1	34.8	39.2
160°	8.7	13.1	21.8	30.5	34.8
162.5°	4.4	8.7	21.8	26.1	30.5
165°	8.7	8.7	17.4	21.8	26.1
167.5°	8.7	8.7	13.1	17.4	21.8
170°	8.7	8.7	13.1	13.1	17.4
172.5°	8.7	8.7	8.7	13.1	8.7
175°	8.7	8.7	8.7	8.7	4.4
177.5°	8.7	8.7	8.7	8.7	4.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.7	8.7	8.7	8.7	8.7

(END OF REPORT)