

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: P568075

Luminaire Tested: **8SNX-90SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568075
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-L835-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

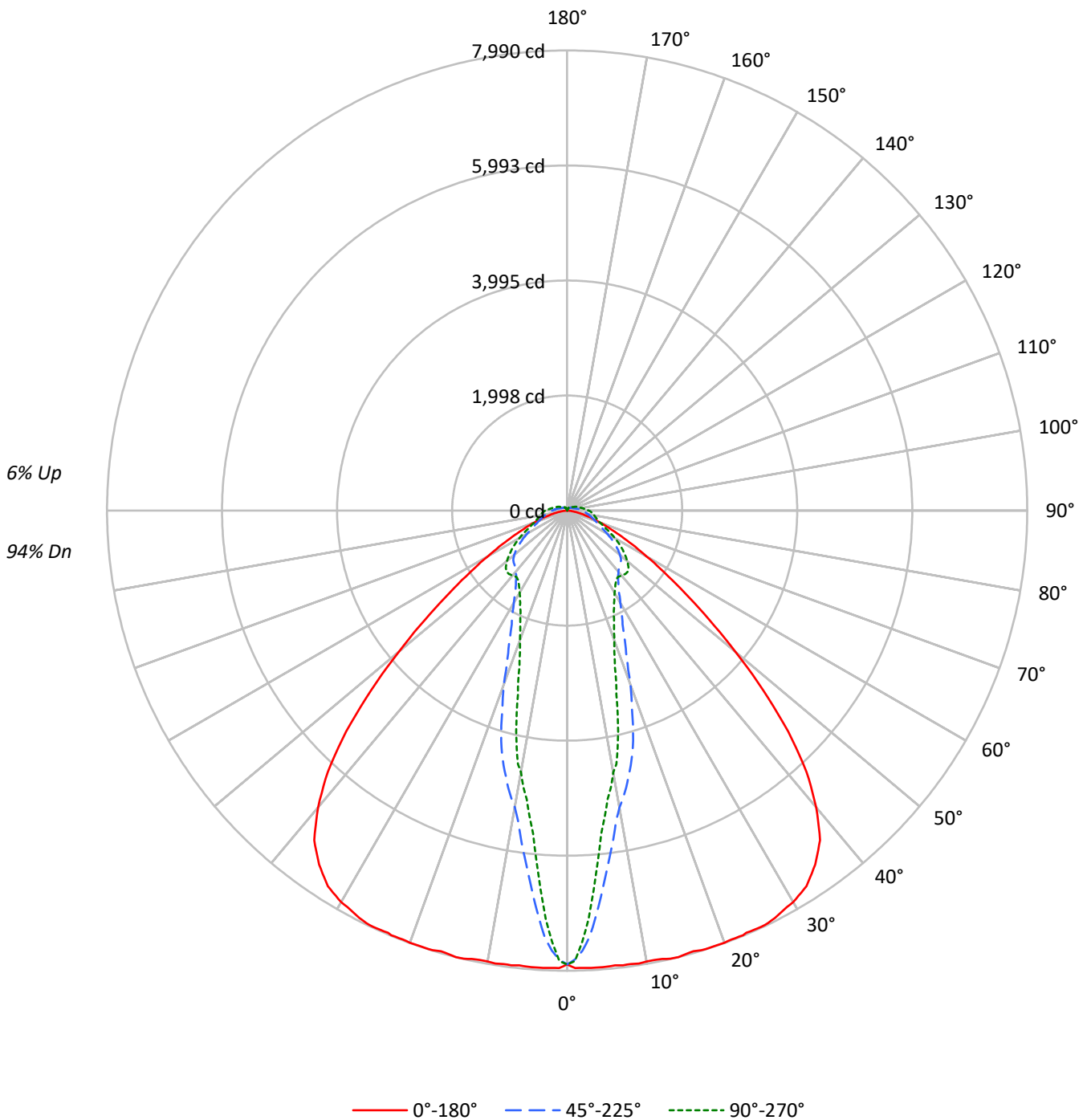
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9714.0 lumens
Efficiency: N/A
Efficacy: 163.0 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 (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	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°	42413	42413	42413
5°	42873	34878	31181
10°	43289	26361	22567
15°	44161	21571	15626
20°	45389	15625	11036
25°	46903	11206	8682
30°	48208	8962	7394
35°	48614	7589	6622
40°	46474	6906	6639
45°	40457	6680	6820
50°	31155	6360	6364
55°	22681	5569	5647
60°	16550	4654	4775
65°	12137	3942	3914
70°	9039	3488	3375
75°	6531	3237	3146
80°	4416	3039	3098
85°	2234	2906	3103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.7	6.4
10°-20°	1345.8	13.9
20°-30°	1540.5	15.9
30°-40°	1543.2	15.9
40°-50°	1460.8	15.0
50°-60°	1120.3	11.5
60°-70°	722.1	7.4
70°-80°	460.5	4.7
80°-90°	305.8	3.1
90°-100°	205.6	2.1
100°-110°	135.5	1.4
110°-120°	94.2	1.0
120°-130°	65.7	0.7
130°-140°	45.6	0.5
140°-150°	27.9	0.3
150°-160°	14.2	0.1
160°-170°	5.5	0.1
170°-180°	1.1	0.0
0°-30°	3506.0	36.1
0°-40°	5049.2	52.0
0°-60°	7630.4	78.6
0°-90°	9118.8	93.9
90°-120°	435.2	4.5
90°-150°	574.5	5.9
90°-180°	595.0	6.1
0°-180°	9714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7880	7880	7880	7880	7880	
5°	7950	7512	6730	6278	6108	759
15°	7970	5740	4376	3594	3306	2261
25°	7975	4062	2315	2011	1917	3677
35°	7507	2260	1548	1498	1478	4658
45°	5426	1429	1304	1444	1494	4126
55°	2489	1020	1006	1130	1175	2289
65°	996	642	632	722	747	1024
75°	338	348	438	503	528	372
85°	45	159	309	403	433	62
90°	0	110	259	358	373	2
95°	0	80	214	294	309	0
105°	0	60	139	199	214	3
115°	5	50	104	144	154	5
125°	5	45	90	104	110	4
135°	5	35	70	85	90	4
145°	5	25	50	65	70	3
155°	5	15	30	45	50	3
165°	10	10	20	25	30	2
175°	10	10	10	10	5	1
180°	10	10	10	10	10	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7880.5	7880.5	7880.5	7880.5	7880.5
1°	7945.2	7900.4	7795.8	7825.7	7820.7
2°	7945.2	7850.6	7646.5	7586.8	7497.1
3°	7950.2	7766.0	7417.5	7223.3	7098.9
4°	7950.2	7641.5	7079.0	6755.4	6596.1
5°	7950.2	7512.1	6730.5	6277.5	6108.2
6°	7940.2	7357.8	6377.1	5899.2	5645.3
7°	7955.1	7188.5	6058.5	5545.7	5346.6
8°	7950.2	6989.4	5764.7	5276.9	5057.8
9°	7965.1	6795.2	5446.1	5023.0	4858.7
10°	7950.2	6616.0	5237.1	4784.0	4614.8
11°	7950.2	6441.8	5087.7	4629.7	4485.3
12°	7960.1	6242.6	4923.4	4410.7	4211.5
13°	7985.0	6038.5	4734.3	4171.7	3937.7
14°	7990.0	5884.2	4560.0	3868.1	3624.1
15°	7970.1	5739.8	4375.8	3594.3	3305.5
16°	7960.1	5590.5	4156.8	3335.4	3076.5
17°	7980.0	5416.3	3907.9	3071.5	2832.6
18°	7985.0	5257.0	3644.0	2872.4	2663.3
19°	7985.0	5132.5	3430.0	2688.2	2509.0
20°	7985.0	5013.0	3210.9	2548.8	2394.5
21°	7975.1	4863.7	2962.0	2404.5	2275.0
22.5°	7980.0	4584.9	2678.3	2235.2	2130.7
23°	7965.1	4515.2	2608.6	2190.4	2080.9
24°	7970.1	4316.1	2459.2	2100.8	1996.3
25°	7975.1	4062.2	2314.9	2011.2	1916.6
26°	7965.1	3858.1	2195.4	1926.6	1861.8
27°	7940.2	3693.8	2110.8	1856.9	1797.1
28°	7905.4	3474.8	2021.1	1797.1	1742.4
29°	7870.5	3225.9	1931.5	1732.4	1692.6
30°	7850.6	3026.7	1846.9	1682.6	1647.8
32.5°	7731.1	2633.5	1672.7	1583.1	1553.2
35°	7507.1	2260.1	1548.2	1498.4	1478.5
37.5°	7213.4	1971.4	1453.6	1443.7	1448.7
40°	6730.5	1742.4	1383.9	1428.7	1473.5
42.5°	6153.0	1563.2	1334.2	1443.7	1493.5
45°	5426.2	1428.7	1304.3	1443.7	1493.5
47.5°	4619.8	1319.2	1269.4	1393.9	1443.7
50°	3813.3	1219.7	1199.7	1319.2	1364.0
52.5°	3101.4	1125.1	1110.1	1224.6	1269.4
55°	2489.1	1020.5	1005.6	1130.0	1174.9
57.5°	1996.3	921.0	906.0	1020.5	1065.3
60°	1593.0	821.4	796.5	911.0	955.8
62.5°	1269.4	726.8	711.9	811.4	851.3
65°	995.6	642.2	632.2	721.8	746.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	786.6	562.5	567.5	642.2	672.1
70°	607.3	487.9	517.7	587.4	607.3
72.5°	458.0	413.2	477.9	537.6	562.5
75°	338.5	348.5	438.1	502.8	527.7
77.5°	234.0	288.7	403.2	472.9	497.8
80°	159.3	234.0	368.4	448.0	477.9
82.5°	94.6	194.1	338.5	423.1	458.0
85°	44.8	159.3	308.6	403.2	433.1
87.5°	14.9	129.4	278.8	383.3	408.2
90°	0.0	109.5	258.9	358.4	373.4
92.5°	0.0	94.6	234.0	328.6	338.5
95°	0.0	79.7	214.1	293.7	308.6
97.5°	0.0	74.7	199.1	263.8	283.8
100°	0.0	69.7	179.2	239.0	258.9
102.5°	0.0	59.7	159.3	214.1	234.0
105°	0.0	59.7	139.4	199.1	214.1
107.5°	5.0	54.8	129.4	179.2	199.1
110°	5.0	54.8	114.5	169.3	184.2
112.5°	5.0	54.8	109.5	154.3	174.2
115°	5.0	49.8	104.5	144.4	154.3
117.5°	5.0	49.8	99.6	129.4	139.4
120°	5.0	44.8	94.6	119.5	124.5
122.5°	5.0	44.8	89.6	109.5	114.5
125°	5.0	44.8	89.6	104.5	109.5
127.5°	5.0	39.8	84.6	99.6	99.6
130°	5.0	39.8	79.7	94.6	94.6
132.5°	5.0	34.8	74.7	89.6	94.6
135°	5.0	34.8	69.7	84.6	89.6
137.5°	5.0	29.9	64.7	79.7	84.6
140°	5.0	29.9	59.7	74.7	79.7
142.5°	5.0	24.9	54.8	69.7	74.7
145°	5.0	24.9	49.8	64.7	69.7
147.5°	5.0	24.9	44.8	59.7	64.7
150°	5.0	19.9	39.8	54.8	59.7
152.5°	5.0	19.9	34.8	49.8	54.8
155°	5.0	14.9	29.9	44.8	49.8
157.5°	5.0	14.9	29.9	39.8	44.8
160°	10.0	14.9	24.9	34.8	39.8
162.5°	5.0	10.0	24.9	29.9	34.8
165°	10.0	10.0	19.9	24.9	29.9
167.5°	10.0	10.0	14.9	19.9	24.9
170°	10.0	10.0	14.9	14.9	19.9
172.5°	10.0	10.0	10.0	14.9	10.0
175°	10.0	10.0	10.0	10.0	5.0
177.5°	10.0	10.0	10.0	10.0	5.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	10.0	10.0	10.0	10.0	10.0

(END OF REPORT)