

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: P568030

Luminaire Tested: **8SNX-82SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568030
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-82SL-LC-UNV-L930-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

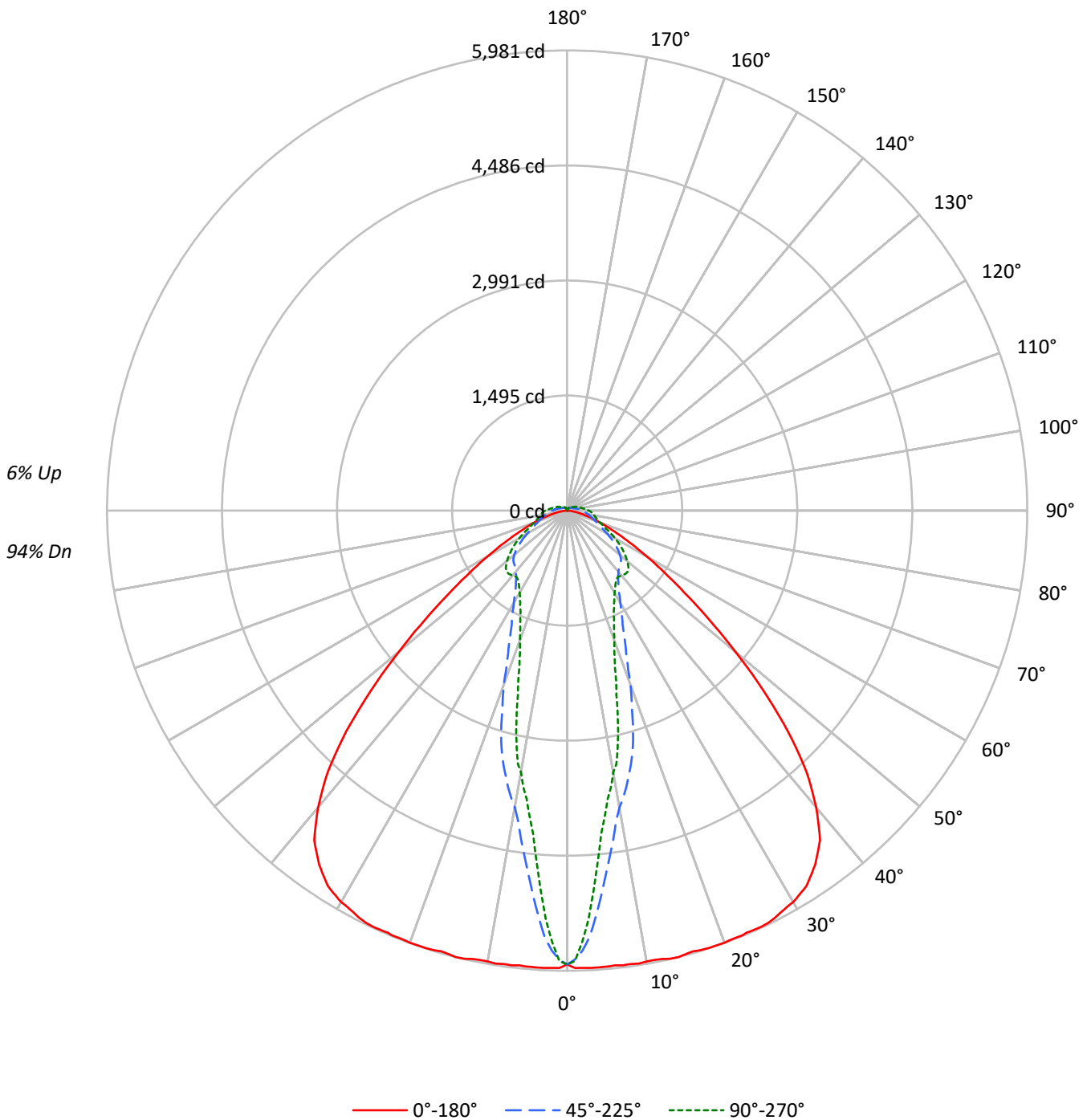
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7271.0 lumens
Efficiency: N/A
Efficacy: 138.2 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): 52.6
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°	31746	31746	31746
5°	32091	26106	23340
10°	32402	19731	16891
15°	33055	16146	11696
20°	33974	11696	8261
25°	35107	8388	6499
30°	36084	6708	5535
35°	36388	5680	4957
40°	34786	5169	4969
45°	30283	5000	5105
50°	23320	4761	4764
55°	16977	4169	4227
60°	12388	3484	3574
65°	9084	2950	2929
70°	6766	2611	2526
75°	4889	2423	2355
80°	3304	2274	2319
85°	1671	2176	2322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.9	6.4
10°-20°	1007.3	13.9
20°-30°	1153.0	15.9
30°-40°	1155.1	15.9
40°-50°	1093.4	15.0
50°-60°	838.6	11.5
60°-70°	540.5	7.4
70°-80°	344.7	4.7
80°-90°	228.9	3.1
90°-100°	153.9	2.1
100°-110°	101.4	1.4
110°-120°	70.5	1.0
120°-130°	49.2	0.7
130°-140°	34.2	0.5
140°-150°	20.9	0.3
150°-160°	10.6	0.1
160°-170°	4.1	0.1
170°-180°	0.8	0.0
0°-30°	2624.2	36.1
0°-40°	3779.4	52.0
0°-60°	5711.4	78.6
0°-90°	6825.5	93.9
90°-120°	325.8	4.5
90°-150°	430.0	5.9
90°-180°	445.0	6.1
0°-180°	7271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5899	5899	5899	5899	5899	
5°	5951	5623	5038	4699	4572	568
15°	5966	4296	3275	2690	2474	1692
25°	5969	3041	1733	1505	1435	2752
35°	5619	1692	1159	1122	1107	3486
45°	4062	1069	976	1081	1118	3088
55°	1863	764	753	846	879	1713
65°	745	481	473	540	559	767
75°	253	261	328	376	395	279
85°	34	119	231	302	324	46
90°	0	82	194	268	280	2
95°	0	60	160	220	231	0
105°	0	45	104	149	160	2
115°	4	37	78	108	116	4
125°	4	34	67	78	82	3
135°	4	26	52	63	67	3
145°	4	19	37	48	52	2
155°	4	11	22	34	37	2
165°	8	8	15	19	22	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5898.6	5898.6	5898.6	5898.6	5898.6
1°	5947.0	5913.5	5835.2	5857.6	5853.9
2°	5947.0	5876.2	5723.5	5678.7	5611.7
3°	5950.8	5812.9	5552.1	5406.7	5313.6
4°	5950.8	5719.7	5298.7	5056.5	4937.2
5°	5950.8	5622.8	5037.8	4698.7	4572.1
6°	5943.3	5507.3	4773.3	4415.6	4225.5
7°	5954.5	5380.6	4534.8	4151.0	4001.9
8°	5950.8	5231.6	4314.9	3949.8	3785.8
9°	5961.9	5086.3	4076.5	3759.7	3636.8
10°	5950.8	4952.1	3920.0	3580.9	3454.2
11°	5950.8	4821.7	3808.2	3465.4	3357.3
12°	5958.2	4672.7	3685.2	3301.4	3152.4
13°	5976.8	4519.9	3543.6	3122.6	2947.4
14°	5980.6	4404.4	3413.2	2895.3	2712.7
15°	5965.7	4296.3	3275.3	2690.3	2474.2
16°	5958.2	4184.5	3111.4	2496.6	2302.8
17°	5973.1	4054.1	2925.1	2299.1	2120.2
18°	5976.8	3934.9	2727.6	2150.0	1993.5
19°	5976.8	3841.7	2567.4	2012.2	1878.0
20°	5976.8	3752.3	2403.4	1907.8	1792.3
21°	5969.4	3640.5	2217.1	1799.8	1702.9
22.5°	5973.1	3431.8	2004.7	1673.1	1594.8
23°	5961.9	3379.7	1952.5	1639.5	1557.6
24°	5965.7	3230.6	1840.7	1572.5	1494.2
25°	5969.4	3040.6	1732.7	1505.4	1434.6
26°	5961.9	2887.8	1643.3	1442.0	1393.6
27°	5943.3	2764.8	1579.9	1389.9	1345.2
28°	5917.2	2600.9	1512.8	1345.2	1304.2
29°	5891.1	2414.6	1445.8	1296.7	1266.9
30°	5876.2	2265.5	1382.4	1259.5	1233.4
32.5°	5786.8	1971.2	1252.0	1184.9	1162.6
35°	5619.1	1691.7	1158.9	1121.6	1106.7
37.5°	5399.3	1475.6	1088.1	1080.6	1084.3
40°	5037.8	1304.2	1035.9	1069.4	1103.0
42.5°	4605.6	1170.0	998.6	1080.6	1117.9
45°	4061.6	1069.4	976.3	1080.6	1117.9
47.5°	3457.9	987.4	950.2	1043.3	1080.6
50°	2854.3	912.9	898.0	987.4	1021.0
52.5°	2321.4	842.1	830.9	916.6	950.2
55°	1863.1	763.9	752.7	845.8	879.4
57.5°	1494.2	689.3	678.2	763.9	797.4
60°	1192.4	614.8	596.2	681.9	715.4
62.5°	950.2	544.0	532.8	607.4	637.2
65°	745.2	480.7	473.2	540.3	558.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	588.7	421.1	424.8	480.7	503.0
70°	454.6	365.2	387.5	439.7	454.6
72.5°	342.8	309.3	357.7	402.4	421.1
75°	253.4	260.8	327.9	376.3	395.0
77.5°	175.1	216.1	301.8	354.0	372.6
80°	119.2	175.1	275.7	335.4	357.7
82.5°	70.8	145.3	253.4	316.7	342.8
85°	33.5	119.2	231.0	301.8	324.2
87.5°	11.2	96.9	208.7	286.9	305.5
90°	0.0	82.0	193.8	268.3	279.5
92.5°	0.0	70.8	175.1	245.9	253.4
95°	0.0	59.6	160.2	219.8	231.0
97.5°	0.0	55.9	149.0	197.5	212.4
100°	0.0	52.2	134.1	178.9	193.8
102.5°	0.0	44.7	119.2	160.2	175.1
105°	0.0	44.7	104.3	149.0	160.2
107.5°	3.7	41.0	96.9	134.1	149.0
110°	3.7	41.0	85.7	126.7	137.9
112.5°	3.7	41.0	82.0	115.5	130.4
115°	3.7	37.3	78.3	108.1	115.5
117.5°	3.7	37.3	74.5	96.9	104.3
120°	3.7	33.5	70.8	89.4	93.2
122.5°	3.7	33.5	67.1	82.0	85.7
125°	3.7	33.5	67.1	78.3	82.0
127.5°	3.7	29.8	63.3	74.5	74.5
130°	3.7	29.8	59.6	70.8	70.8
132.5°	3.7	26.1	55.9	67.1	70.8
135°	3.7	26.1	52.2	63.3	67.1
137.5°	3.7	22.4	48.4	59.6	63.3
140°	3.7	22.4	44.7	55.9	59.6
142.5°	3.7	18.6	41.0	52.2	55.9
145°	3.7	18.6	37.3	48.4	52.2
147.5°	3.7	18.6	33.5	44.7	48.4
150°	3.7	14.9	29.8	41.0	44.7
152.5°	3.7	14.9	26.1	37.3	41.0
155°	3.7	11.2	22.4	33.5	37.3
157.5°	3.7	11.2	22.4	29.8	33.5
160°	7.5	11.2	18.6	26.1	29.8
162.5°	3.7	7.5	18.6	22.4	26.1
165°	7.5	7.5	14.9	18.6	22.4
167.5°	7.5	7.5	11.2	14.9	18.6
170°	7.5	7.5	11.2	11.2	14.9
172.5°	7.5	7.5	7.5	11.2	7.5
175°	7.5	7.5	7.5	7.5	3.7
177.5°	7.5	7.5	7.5	7.5	3.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.5	7.5	7.5	7.5	7.5

(END OF REPORT)