

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: P568130

Luminaire Tested: **8SNX-96SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568130  
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-96SL-LN-UNV-L830-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

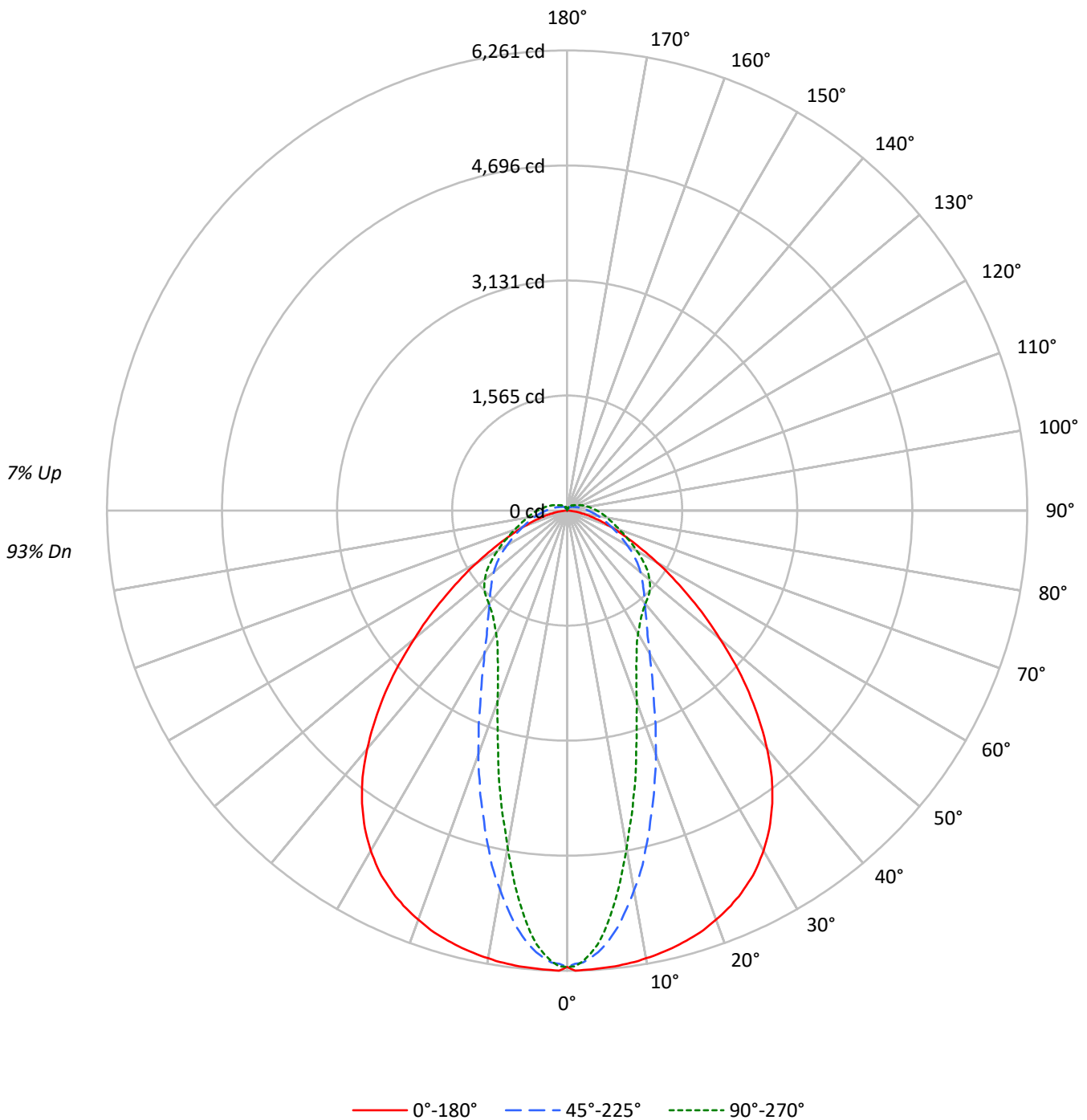
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9898.0 lumens  
Efficiency: N/A  
Efficacy: 154.2 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): 64.2  
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°	33418	33418	33418
5°	33653	30753	29393
10°	33668	26398	22805
15°	33715	21557	17092
20°	33674	17191	12791
25°	33437	13485	10152
30°	32810	10925	8659
35°	31509	9255	7877
40°	29228	8180	7455
45°	26068	7492	7225
50°	22165	6902	6825
55°	18292	6263	6233
60°	14713	5517	5468
65°	11509	4851	4758
70°	9033	4298	4209
75°	7106	3871	3834
80°	5175	3552	3565
85°	3102	3322	3418



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	549.9	5.6
10°-20°	1288.9	13.0
20°-30°	1530.0	15.5
30°-40°	1539.3	15.6
40°-50°	1430.8	14.5
50°-60°	1178.2	11.9
60°-70°	830.2	8.4
70°-80°	542.4	5.5
80°-90°	346.3	3.5
90°-100°	227.1	2.3
100°-110°	154.2	1.6
110°-120°	105.7	1.1
120°-130°	73.1	0.7
130°-140°	49.2	0.5
140°-150°	30.3	0.3
150°-160°	15.7	0.2
160°-170°	5.7	0.1
170°-180°	1.0	0.0
0°-30°	3368.7	34.0
0°-40°	4908.0	49.6
0°-60°	7517.1	75.9
0°-90°	9236.0	93.3
90°-120°	487.0	4.9
90°-150°	639.6	6.5
90°-180°	662.0	6.7
0°-180°	9898.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6209	6209	6209	6209	6209	
5°	6240	6157	5934	5820	5758	594
15°	6085	5436	4373	3823	3616	1718
25°	5685	4202	2786	2340	2241	2616
35°	4866	2843	1888	1769	1758	3026
45°	3496	1873	1463	1541	1582	2684
55°	2008	1229	1131	1255	1297	1813
65°	944	742	778	877	908	958
75°	368	384	524	617	643	398
85°	62	176	353	456	477	78
90°	0	119	285	389	405	4
95°	0	88	239	327	342	0
105°	0	62	161	228	249	0
115°	5	52	114	166	176	4
125°	5	42	93	119	130	5
135°	5	36	73	93	99	4
145°	5	26	52	73	78	3
155°	5	21	36	52	57	2
165°	5	10	21	26	31	1
175°	10	10	10	10	5	1
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6209.3	6209.3	6209.3	6209.3	6209.3
1°	6261.2	6235.2	6167.8	6214.5	6204.1
2°	6256.0	6230.1	6152.3	6173.0	6136.7
3°	6250.8	6214.5	6095.2	6090.0	6038.1
4°	6245.6	6188.6	6022.6	5960.3	5918.8
5°	6240.4	6157.4	5934.4	5820.3	5758.0
6°	6235.2	6121.1	5820.3	5649.1	5560.9
7°	6224.9	6064.1	5700.9	5467.5	5353.4
8°	6214.5	6012.2	5550.5	5270.4	5130.3
9°	6204.1	5944.8	5400.1	5057.7	4891.7
10°	6183.4	5877.3	5244.5	4839.8	4663.5
11°	6173.0	5799.5	5094.0	4632.3	4424.8
12°	6152.3	5716.5	4933.2	4414.5	4232.9
13°	6131.5	5628.3	4736.1	4227.7	4009.9
14°	6110.8	5535.0	4564.9	4020.2	3817.9
15°	6084.8	5436.4	4373.0	3823.1	3615.6
16°	6058.9	5322.3	4201.8	3620.8	3402.9
17°	6032.9	5213.3	4041.0	3434.1	3236.9
18°	6001.8	5104.4	3854.2	3252.5	3060.6
19°	5960.3	4979.9	3703.8	3086.5	2910.1
20°	5924.0	4865.8	3532.6	2930.9	2775.3
21°	5882.5	4725.7	3361.4	2785.6	2630.0
22.5°	5820.3	4528.6	3143.6	2604.1	2458.8
23°	5789.1	4471.5	3055.4	2536.6	2412.1
24°	5747.6	4321.1	2910.1	2432.9	2308.4
25°	5685.4	4201.8	2785.6	2339.5	2241.0
26°	5628.3	4056.5	2661.1	2256.5	2158.0
27°	5571.3	3916.5	2552.2	2168.3	2085.3
28°	5498.6	3771.2	2432.9	2095.7	2023.1
29°	5420.8	3636.4	2334.3	2033.5	1976.4
30°	5343.0	3485.9	2251.3	1976.4	1929.7
32.5°	5125.1	3153.9	2038.6	1867.5	1836.3
35°	4865.8	2842.7	1888.2	1768.9	1758.5
37.5°	4575.3	2557.4	1753.3	1691.1	1701.5
40°	4232.9	2298.0	1639.2	1634.0	1654.8
42.5°	3869.8	2075.0	1551.0	1587.3	1618.5
45°	3496.3	1872.6	1462.8	1540.7	1582.2
47.5°	3107.2	1696.3	1385.0	1483.6	1530.3
50°	2713.0	1525.1	1302.0	1416.2	1462.8
52.5°	2360.3	1374.7	1219.0	1338.3	1390.2
55°	2007.5	1229.4	1130.9	1255.3	1296.8
57.5°	1701.5	1094.5	1037.5	1162.0	1193.1
60°	1416.2	964.9	944.1	1058.2	1094.5
62.5°	1156.8	850.7	855.9	964.9	1001.2
65°	944.1	741.8	778.1	876.7	907.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	767.7	638.0	700.3	804.0	830.0
70°	606.9	544.7	638.0	731.4	757.4
72.5°	482.4	461.7	575.8	674.4	695.1
75°	368.3	383.9	523.9	617.3	643.2
77.5°	264.6	321.6	472.1	570.6	591.4
80°	186.7	264.6	430.6	529.1	549.9
82.5°	119.3	217.9	389.1	492.8	513.6
85°	62.2	176.4	352.7	456.5	477.2
87.5°	25.9	145.2	316.4	420.2	440.9
90°	0.0	119.3	285.3	389.1	404.6
92.5°	0.0	103.7	259.4	357.9	373.5
95°	0.0	88.2	238.6	326.8	342.4
97.5°	0.0	83.0	212.7	300.9	316.4
100°	0.0	72.6	191.9	274.9	295.7
102.5°	0.0	67.4	176.4	249.0	269.7
105°	0.0	62.2	160.8	228.2	249.0
107.5°	0.0	57.1	150.4	212.7	228.2
110°	0.0	57.1	134.9	197.1	212.7
112.5°	5.2	51.9	124.5	176.4	191.9
115°	5.2	51.9	114.1	166.0	176.4
117.5°	5.2	51.9	108.9	150.4	160.8
120°	5.2	46.7	103.7	140.1	150.4
122.5°	5.2	46.7	98.6	129.7	134.9
125°	5.2	41.5	93.4	119.3	129.7
127.5°	5.2	41.5	88.2	114.1	119.3
130°	5.2	41.5	83.0	103.7	114.1
132.5°	5.2	36.3	77.8	98.6	103.7
135°	5.2	36.3	72.6	93.4	98.6
137.5°	5.2	31.1	67.4	88.2	93.4
140°	5.2	31.1	62.2	83.0	88.2
142.5°	5.2	25.9	57.1	77.8	83.0
145°	5.2	25.9	51.9	72.6	77.8
147.5°	5.2	25.9	46.7	67.4	72.6
150°	5.2	20.7	41.5	62.2	67.4
152.5°	5.2	20.7	36.3	57.1	62.2
155°	5.2	20.7	36.3	51.9	57.1
157.5°	5.2	15.6	31.1	41.5	51.9
160°	5.2	15.6	25.9	36.3	46.7
162.5°	5.2	15.6	25.9	31.1	36.3
165°	5.2	10.4	20.7	25.9	31.1
167.5°	5.2	10.4	15.6	20.7	25.9
170°	5.2	10.4	15.6	15.6	20.7
172.5°	5.2	10.4	10.4	10.4	10.4
175°	10.4	10.4	10.4	10.4	5.2
177.5°	10.4	10.4	10.4	5.2	5.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)