

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: P568082

Luminaire Tested: **8SNX-90SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568082
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-L830-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

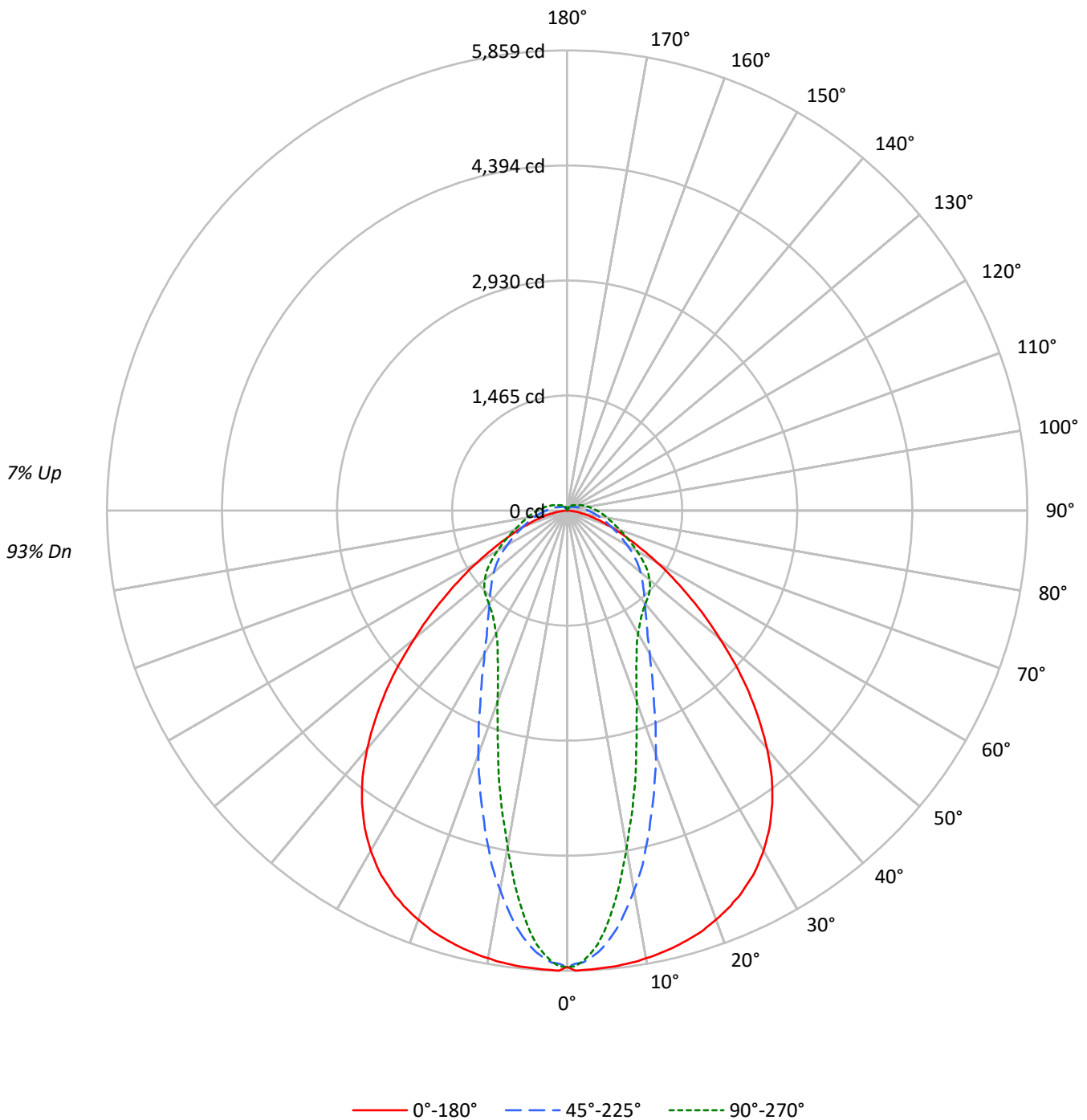
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9262.0 lumens
Efficiency: N/A
Efficacy: 155.4 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 (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

TEST NUMBER: P568082
CATALOG NUMBER: 8SNX-90SL-LN-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P568082

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L830-CD

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°	31271	31271	31271
5°	31491	28777	27505
10°	31505	24702	21340
15°	31549	20172	15994
20°	31510	16086	11969
25°	31289	12618	9499
30°	30702	10223	8103
35°	29484	8661	7371
40°	27350	7654	6976
45°	24393	7010	6761
50°	20741	6459	6387
55°	17117	5860	5833
60°	13768	5162	5116
65°	10769	4540	4452
70°	8453	4023	3938
75°	6649	3623	3588
80°	4842	3324	3335
85°	2903	3109	3199



TEST NUMBER: P568082

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.5	5.6
10°-20°	1206.1	13.0
20°-30°	1431.7	15.5
30°-40°	1440.4	15.6
40°-50°	1338.9	14.5
50°-60°	1102.5	11.9
60°-70°	776.9	8.4
70°-80°	507.5	5.5
80°-90°	324.0	3.5
90°-100°	212.5	2.3
100°-110°	144.3	1.6
110°-120°	98.9	1.1
120°-130°	68.4	0.7
130°-140°	46.0	0.5
140°-150°	28.4	0.3
150°-160°	14.7	0.2
160°-170°	5.3	0.1
170°-180°	0.9	0.0
0°-30°	3152.3	34.0
0°-40°	4592.7	49.6
0°-60°	7034.1	75.9
0°-90°	8642.6	93.3
90°-120°	455.7	4.9
90°-150°	598.5	6.5
90°-180°	619.0	6.7
0°-180°	9262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5810	5810	5810	5810	5810	
5°	5840	5762	5553	5446	5388	556
15°	5694	5087	4092	3578	3383	1608
25°	5320	3932	2607	2189	2097	2448
35°	4553	2660	1767	1655	1646	2832
45°	3272	1752	1369	1442	1480	2512
55°	1878	1150	1058	1175	1214	1697
65°	883	694	728	820	850	896
75°	345	359	490	578	602	373
85°	58	165	330	427	447	73
90°	0	112	267	364	379	3
95°	0	82	223	306	320	0
105°	0	58	150	214	233	0
115°	5	48	107	155	165	4
125°	5	39	87	112	121	4
135°	5	34	68	87	92	4
145°	5	24	48	68	73	3
155°	5	19	34	48	53	2
165°	5	10	19	24	29	1
175°	10	10	10	10	5	1
180°	5	5	5	5	5	



TEST NUMBER: P568082

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5810.3	5810.3	5810.3	5810.3	5810.3
1°	5858.9	5834.6	5771.5	5815.2	5805.5
2°	5854.0	5829.7	5756.9	5776.4	5742.4
3°	5849.2	5815.2	5703.5	5698.7	5650.1
4°	5844.3	5790.9	5635.6	5577.3	5538.5
5°	5839.5	5761.8	5553.1	5446.3	5388.0
6°	5834.6	5727.8	5446.3	5286.1	5203.6
7°	5824.9	5674.4	5334.6	5116.2	5009.4
8°	5815.2	5625.9	5193.9	4931.7	4800.7
9°	5805.5	5562.8	5053.1	4732.7	4577.4
10°	5786.1	5499.7	4907.5	4528.9	4363.8
11°	5776.4	5426.9	4766.7	4334.7	4140.5
12°	5756.9	5349.2	4616.2	4130.8	3960.9
13°	5737.5	5266.7	4431.8	3956.1	3752.2
14°	5718.1	5179.3	4271.6	3761.9	3572.6
15°	5693.8	5087.1	4092.0	3577.5	3383.3
16°	5669.6	4980.3	3931.8	3388.1	3184.3
17°	5645.3	4878.3	3781.3	3213.4	3028.9
18°	5616.2	4776.4	3606.6	3043.5	2863.9
19°	5577.3	4659.9	3465.8	2888.2	2723.1
20°	5543.4	4553.1	3305.6	2742.6	2596.9
21°	5504.5	4422.1	3145.4	2606.6	2461.0
22.5°	5446.3	4237.6	2941.6	2436.7	2300.8
23°	5417.1	4184.2	2859.1	2373.6	2257.1
24°	5378.3	4043.4	2723.1	2276.6	2160.1
25°	5320.1	3931.8	2606.6	2189.2	2097.0
26°	5266.7	3795.9	2490.1	2111.5	2019.3
27°	5213.3	3664.8	2388.2	2029.0	1951.3
28°	5145.3	3528.9	2276.6	1961.0	1893.1
29°	5072.5	3402.7	2184.3	1902.8	1849.4
30°	4999.7	3261.9	2106.7	1849.4	1805.7
32.5°	4795.8	2951.3	1907.7	1747.5	1718.3
35°	4553.1	2660.0	1766.9	1655.2	1645.5
37.5°	4281.3	2393.1	1640.7	1582.4	1592.1
40°	3960.9	2150.4	1533.9	1529.0	1548.5
42.5°	3621.1	1941.6	1451.4	1485.3	1514.5
45°	3271.6	1752.3	1368.8	1441.7	1480.5
47.5°	2907.6	1587.3	1296.0	1388.3	1432.0
50°	2538.7	1427.1	1218.4	1325.2	1368.8
52.5°	2208.6	1286.3	1140.7	1252.4	1300.9
55°	1878.5	1150.4	1058.2	1174.7	1213.5
57.5°	1592.1	1024.2	970.8	1087.3	1116.4
60°	1325.2	902.9	883.4	990.2	1024.2
62.5°	1082.5	796.1	800.9	902.9	936.8
65°	883.4	694.1	728.1	820.3	849.5



TEST NUMBER: P568082

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	718.4	597.1	655.3	752.4	776.7
70°	567.9	509.7	597.1	684.4	708.7
72.5°	451.4	432.0	538.8	631.0	650.4
75°	344.6	359.2	490.3	577.6	601.9
77.5°	247.6	301.0	441.7	533.9	553.4
80°	174.7	247.6	402.9	495.1	514.5
82.5°	111.6	203.9	364.1	461.1	480.6
85°	58.2	165.0	330.1	427.2	446.6
87.5°	24.3	135.9	296.1	393.2	412.6
90°	0.0	111.6	267.0	364.1	378.6
92.5°	0.0	97.1	242.7	334.9	349.5
95°	0.0	82.5	223.3	305.8	320.4
97.5°	0.0	77.7	199.0	281.5	296.1
100°	0.0	68.0	179.6	257.3	276.7
102.5°	0.0	63.1	165.0	233.0	252.4
105°	0.0	58.2	150.5	213.6	233.0
107.5°	0.0	53.4	140.8	199.0	213.6
110°	0.0	53.4	126.2	184.5	199.0
112.5°	4.9	48.5	116.5	165.0	179.6
115°	4.9	48.5	106.8	155.3	165.0
117.5°	4.9	48.5	101.9	140.8	150.5
120°	4.9	43.7	97.1	131.1	140.8
122.5°	4.9	43.7	92.2	121.4	126.2
125°	4.9	38.8	87.4	111.6	121.4
127.5°	4.9	38.8	82.5	106.8	111.6
130°	4.9	38.8	77.7	97.1	106.8
132.5°	4.9	34.0	72.8	92.2	97.1
135°	4.9	34.0	68.0	87.4	92.2
137.5°	4.9	29.1	63.1	82.5	87.4
140°	4.9	29.1	58.2	77.7	82.5
142.5°	4.9	24.3	53.4	72.8	77.7
145°	4.9	24.3	48.5	68.0	72.8
147.5°	4.9	24.3	43.7	63.1	68.0
150°	4.9	19.4	38.8	58.2	63.1
152.5°	4.9	19.4	34.0	53.4	58.2
155°	4.9	19.4	34.0	48.5	53.4
157.5°	4.9	14.6	29.1	38.8	48.5
160°	4.9	14.6	24.3	34.0	43.7
162.5°	4.9	14.6	24.3	29.1	34.0
165°	4.9	9.7	19.4	24.3	29.1
167.5°	4.9	9.7	14.6	19.4	24.3
170°	4.9	9.7	14.6	14.6	19.4
172.5°	4.9	9.7	9.7	9.7	9.7
175°	9.7	9.7	9.7	9.7	4.9
177.5°	9.7	9.7	9.7	4.9	4.9



TEST NUMBER: P568082

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)