

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: P567338

Luminaire Tested: **8SNX-126SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-UNV-L830-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

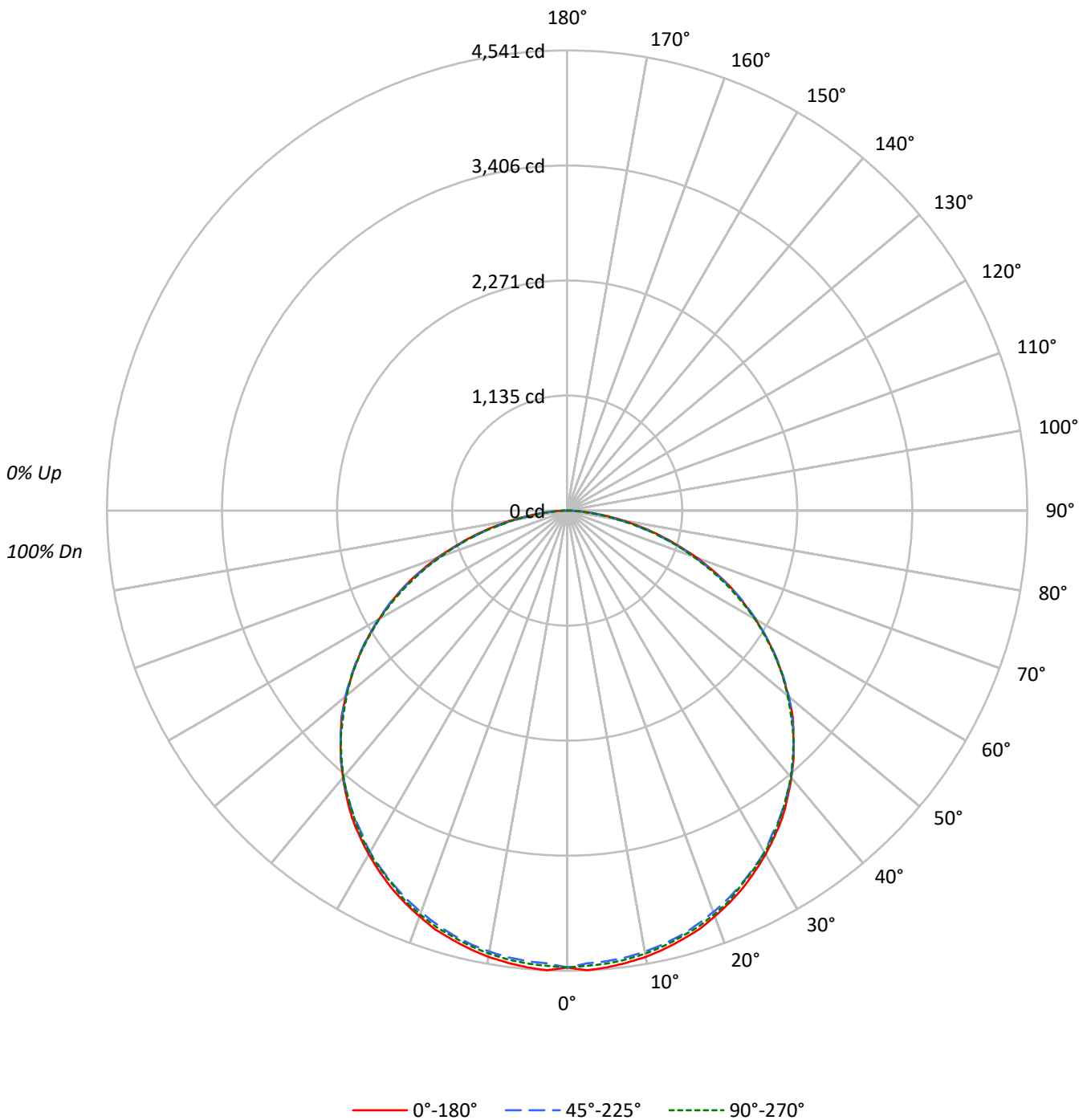
Lumens per Lamp: N/A
Luminaire Lumens: 13480.0 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 88.8
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

TEST NUMBER: P567338

CATALOG NUMBER: 8SNX-126SL-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567338

CATALOG NUMBER: 8SNX-126SL-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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24264	24264	24264
5°	24444	24116	24247
10°	24439	24151	24262
15°	24420	24171	24261
20°	24405	24149	24289
25°	24389	24148	24196
30°	24339	24188	24238
35°	24320	24134	24160
40°	24183	24154	24126
45°	24039	24069	24039
50°	23864	23932	23762
55°	23548	23624	23510
60°	23085	23173	23042
65°	22614	22459	22150
70°	21500	21053	20798
75°	19644	18969	19054
80°	16963	15707	16083
85°	12770	12270	11016



TEST NUMBER: P567338

CATALOG NUMBER: 8SNX-126SL-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.7	3.2
10°-20°	1232.4	9.1
20°-30°	1885.6	14.0
30°-40°	2305.5	17.1
40°-50°	2438.8	18.1
50°-60°	2247.1	16.7
60°-70°	1731.5	12.8
70°-80°	970.2	7.2
80°-90°	241.1	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3545.7	26.3
0°-40°	5851.2	43.4
0°-60°	10537.1	78.2
0°-90°	13480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13480.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4508	4508	4508	4508	4508	
5°	4525	4508	4464	4508	4488	430
15°	4383	4375	4338	4375	4354	1238
25°	4107	4099	4066	4099	4075	1893
35°	3702	3694	3673	3685	3677	2313
45°	3158	3170	3162	3158	3158	2440
55°	2510	2530	2518	2518	2506	2241
65°	1776	1776	1764	1719	1739	1747
75°	945	932	912	880	916	1002
85°	207	195	199	199	178	255
90°	0	0	0	0	0	



TEST NUMBER: P567338

CATALOG NUMBER: 8SNX-126SL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4508.4	4508.4	4508.4	4508.4	4508.4
2.5°	4540.8	4520.5	4471.9	4516.5	4496.2
5°	4524.6	4508.4	4463.8	4508.4	4488.1
7.5°	4500.3	4488.1	4447.6	4488.1	4467.8
10°	4471.9	4459.7	4419.2	4459.7	4439.5
12.5°	4431.3	4423.2	4382.7	4423.2	4403.0
15°	4382.7	4374.6	4338.1	4374.6	4354.3
17.5°	4334.0	4317.8	4281.3	4321.9	4305.7
20°	4261.1	4253.0	4216.5	4253.0	4240.8
22.5°	4188.1	4180.0	4147.5	4180.0	4171.9
25°	4107.0	4098.9	4066.5	4098.9	4074.6
27.5°	4013.8	4017.8	3981.3	4001.6	3989.4
30°	3916.4	3916.4	3892.1	3900.2	3900.2
32.5°	3811.0	3811.0	3774.5	3798.9	3794.8
35°	3701.6	3693.5	3673.2	3685.4	3677.2
37.5°	3571.8	3567.8	3555.6	3563.7	3555.6
40°	3442.1	3446.2	3438.0	3434.0	3434.0
42.5°	3308.3	3316.4	3304.3	3300.2	3296.1
45°	3158.3	3170.5	3162.3	3158.3	3158.3
47.5°	3020.4	3024.5	3012.3	3008.3	2996.1
50°	2850.2	2866.4	2858.3	2850.2	2838.0
52.5°	2679.9	2704.2	2688.0	2679.9	2679.9
55°	2509.6	2529.9	2517.7	2517.7	2505.6
57.5°	2331.2	2351.5	2335.3	2335.3	2319.1
60°	2144.7	2165.0	2152.8	2140.7	2140.7
62.5°	1958.2	1974.4	1970.4	1950.1	1938.0
65°	1775.8	1775.8	1763.6	1719.0	1739.3
67.5°	1569.0	1565.0	1548.7	1504.1	1532.5
70°	1366.3	1366.3	1337.9	1285.2	1321.7
72.5°	1147.4	1159.5	1123.0	1086.6	1123.0
75°	944.7	932.5	912.2	879.8	916.3
77.5°	750.0	729.8	705.4	689.2	709.5
80°	547.3	535.2	506.8	506.8	518.9
82.5°	373.0	360.8	340.6	344.6	328.4
85°	206.8	194.6	198.7	198.7	178.4
87.5°	85.1	85.1	85.1	77.0	68.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)