

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: P566130

Luminaire Tested: **4SNX-20SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566130
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: 4SNX-20SL-UNV-L930-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

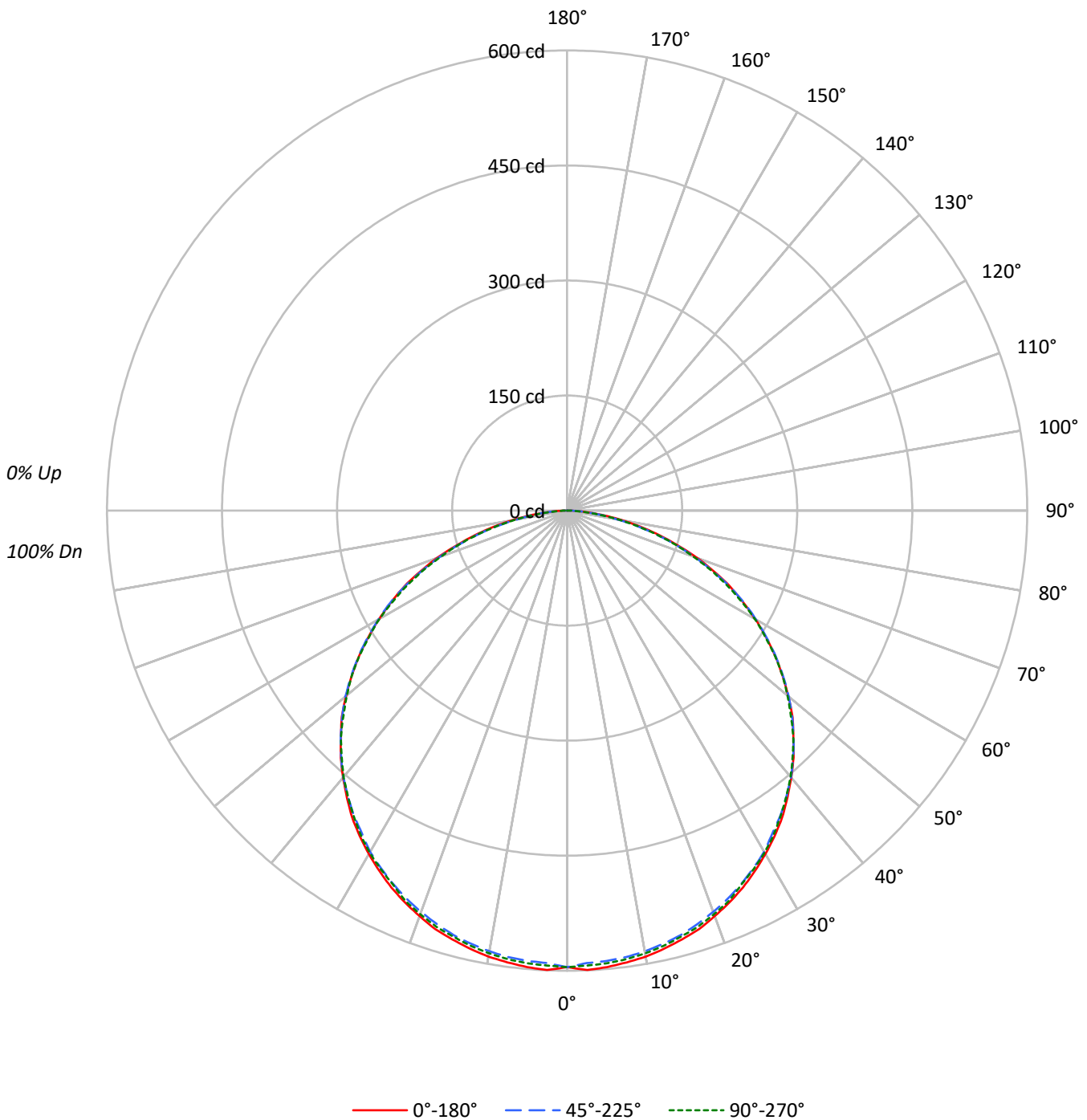
Lumens per Lamp: N/A
Luminaire Lumens: 1780.0 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 12.1
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: P566130

CATALOG NUMBER: 4SNX-20SL-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566130

CATALOG NUMBER: 4SNX-20SL-UNV-L930-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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6408	6408	6408
5°	6456	6368	6403
10°	6454	6378	6407
15°	6449	6383	6408
20°	6446	6378	6415
25°	6441	6378	6390
30°	6428	6387	6401
35°	6423	6373	6381
40°	6386	6379	6371
45°	6348	6357	6348
50°	6303	6320	6276
55°	6219	6240	6210
60°	6097	6120	6086
65°	5973	5932	5850
70°	5677	5561	5492
75°	5186	5011	5032
80°	4482	4147	4246
85°	3372	3236	2915



TEST NUMBER: P566130

CATALOG NUMBER: 4SNX-20SL-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	3.2
10°-20°	162.7	9.1
20°-30°	249.0	14.0
30°-40°	304.4	17.1
40°-50°	322.0	18.1
50°-60°	296.7	16.7
60°-70°	228.7	12.8
70°-80°	128.1	7.2
80°-90°	31.8	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°	468.2	26.3
0°-40°	772.6	43.4
0°-60°	1391.4	78.2
0°-90°	1780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	595	595	595	595	595	
5°	598	595	589	595	593	57
15°	579	578	573	578	575	164
25°	542	541	537	541	538	250
35°	489	488	485	487	486	305
45°	417	419	418	417	417	322
55°	331	334	332	332	331	296
65°	234	234	233	227	230	231
75°	125	123	120	116	121	132
85°	27	26	26	26	24	34
90°	0	0	0	0	0	



TEST NUMBER: P566130

CATALOG NUMBER: 4SNX-20SL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	595.3	595.3	595.3	595.3	595.3
2.5°	599.6	596.9	590.5	596.4	593.7
5°	597.5	595.3	589.4	595.3	592.6
7.5°	594.2	592.6	587.3	592.6	590.0
10°	590.5	588.9	583.5	588.9	586.2
12.5°	585.1	584.1	578.7	584.1	581.4
15°	578.7	577.7	572.8	577.7	575.0
17.5°	572.3	570.2	565.3	570.7	568.6
20°	562.7	561.6	556.8	561.6	560.0
22.5°	553.0	552.0	547.7	552.0	550.9
25°	542.3	541.2	537.0	541.2	538.0
27.5°	530.0	530.5	525.7	528.4	526.8
30°	517.2	517.2	513.9	515.0	515.0
32.5°	503.2	503.2	498.4	501.6	501.1
35°	488.8	487.7	485.0	486.6	485.6
37.5°	471.7	471.1	469.5	470.6	469.5
40°	454.5	455.1	454.0	453.4	453.4
42.5°	436.9	437.9	436.3	435.8	435.2
45°	417.0	418.7	417.6	417.0	417.0
47.5°	398.8	399.4	397.8	397.2	395.6
50°	376.4	378.5	377.4	376.4	374.8
52.5°	353.9	357.1	354.9	353.9	353.9
55°	331.4	334.1	332.5	332.5	330.9
57.5°	307.8	310.5	308.4	308.4	306.2
60°	283.2	285.9	284.3	282.7	282.7
62.5°	258.6	260.7	260.2	257.5	255.9
65°	234.5	234.5	232.9	227.0	229.7
67.5°	207.2	206.6	204.5	198.6	202.4
70°	180.4	180.4	176.7	169.7	174.5
72.5°	151.5	153.1	148.3	143.5	148.3
75°	124.7	123.1	120.5	116.2	121.0
77.5°	99.0	96.4	93.2	91.0	93.7
80°	72.3	70.7	66.9	66.9	68.5
82.5°	49.3	47.6	45.0	45.5	43.4
85°	27.3	25.7	26.2	26.2	23.6
87.5°	11.2	11.2	11.2	10.2	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)