

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: P566133

Luminaire Tested: **4SNX-20SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566133
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-L950-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

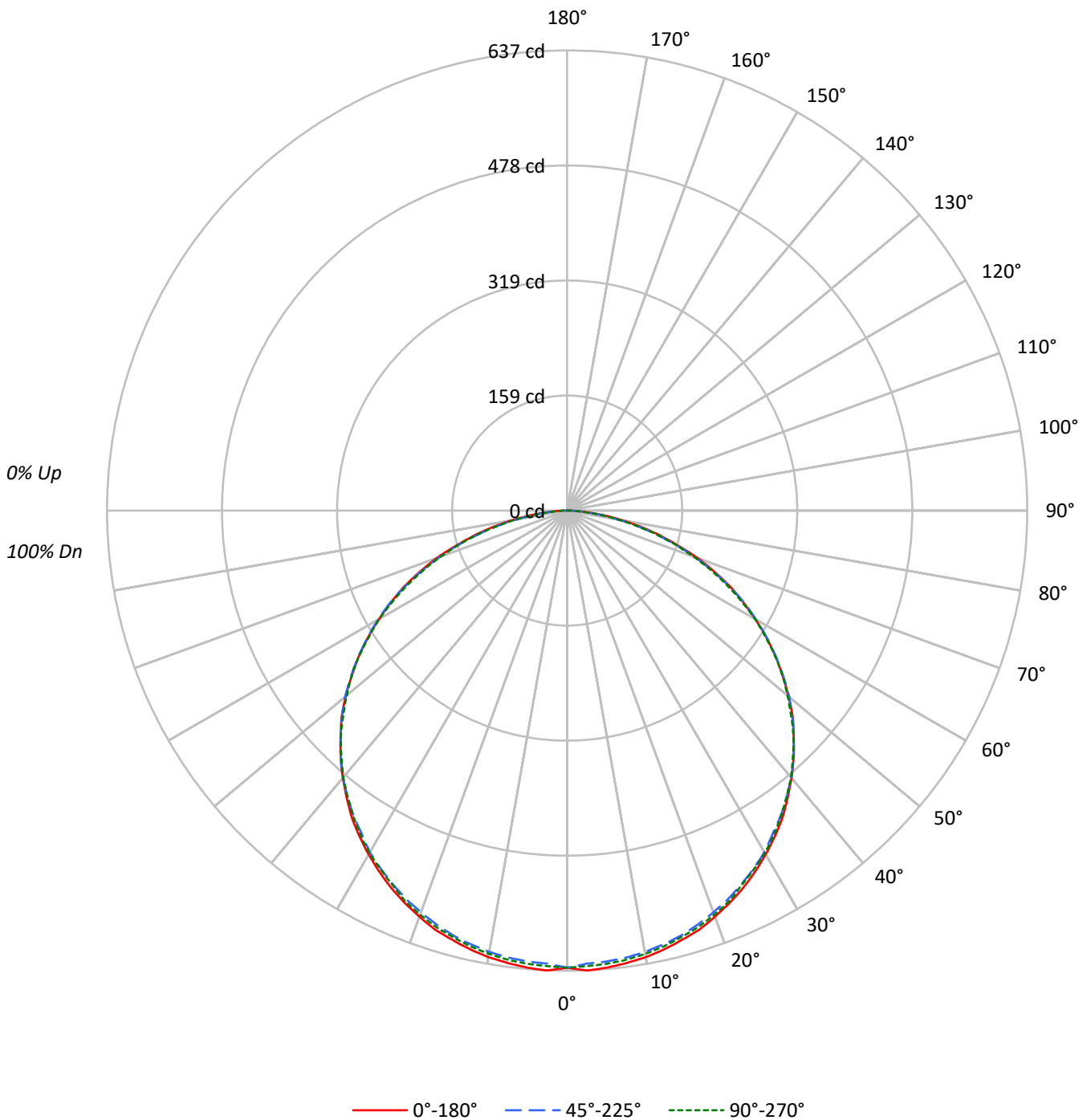
Lumens per Lamp: N/A
Luminaire Lumens: 1892.0 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	6811	6811	6811
5°	6862	6769	6806
10°	6861	6780	6810
15°	6854	6785	6811
20°	6851	6779	6818
25°	6846	6779	6792
30°	6832	6790	6804
35°	6826	6775	6782
40°	6788	6781	6773
45°	6748	6757	6748
50°	6698	6718	6670
55°	6609	6632	6600
60°	6480	6506	6469
65°	6347	6304	6217
70°	6036	5910	5838
75°	5515	5323	5348
80°	4761	4407	4513
85°	3582	3446	3088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	3.2
10°-20°	173.0	9.1
20°-30°	264.7	14.0
30°-40°	323.6	17.1
40°-50°	342.3	18.1
50°-60°	315.4	16.7
60°-70°	243.0	12.8
70°-80°	136.2	7.2
80°-90°	33.8	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°	497.7	26.3
0°-40°	821.3	43.4
0°-60°	1479.0	78.2
0°-90°	1892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	635	633	626	633	630	60
15°	615	614	609	614	611	174
25°	576	575	571	575	572	266
35°	520	518	516	517	516	325
45°	443	445	444	443	443	342
55°	352	355	353	353	352	315
65°	249	249	248	241	244	245
75°	133	131	128	124	129	141
85°	29	27	28	28	25	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	632.8	632.8	632.8	632.8	632.8
2.5°	637.3	634.5	627.7	633.9	631.1
5°	635.1	632.8	626.5	632.8	629.9
7.5°	631.6	629.9	624.2	629.9	627.1
10°	627.7	625.9	620.3	625.9	623.1
12.5°	622.0	620.8	615.1	620.8	618.0
15°	615.1	614.0	608.9	614.0	611.2
17.5°	608.3	606.0	600.9	606.6	604.3
20°	598.1	596.9	591.8	596.9	595.2
22.5°	587.8	586.7	582.1	586.7	585.5
25°	576.4	575.3	570.8	575.3	571.9
27.5°	563.4	563.9	558.8	561.6	559.9
30°	549.7	549.7	546.3	547.4	547.4
32.5°	534.9	534.9	529.8	533.2	532.6
35°	519.5	518.4	515.6	517.3	516.1
37.5°	501.3	500.8	499.1	500.2	499.1
40°	483.1	483.7	482.6	482.0	482.0
42.5°	464.3	465.5	463.8	463.2	462.6
45°	443.3	445.0	443.9	443.3	443.3
47.5°	423.9	424.5	422.8	422.2	420.5
50°	400.0	402.3	401.2	400.0	398.3
52.5°	376.1	379.6	377.3	376.1	376.1
55°	352.2	355.1	353.4	353.4	351.7
57.5°	327.2	330.0	327.8	327.8	325.5
60°	301.0	303.9	302.2	300.5	300.5
62.5°	274.8	277.1	276.6	273.7	272.0
65°	249.2	249.2	247.5	241.3	244.1
67.5°	220.2	219.7	217.4	211.1	215.1
70°	191.8	191.8	187.8	180.4	185.5
72.5°	161.0	162.7	157.6	152.5	157.6
75°	132.6	130.9	128.0	123.5	128.6
77.5°	105.3	102.4	99.0	96.7	99.6
80°	76.8	75.1	71.1	71.1	72.8
82.5°	52.4	50.6	47.8	48.4	46.1
85°	29.0	27.3	27.9	27.9	25.0
87.5°	11.9	11.9	11.9	10.8	9.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)