

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: P566131

Luminaire Tested: **4SNX-20SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566131
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-L935-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

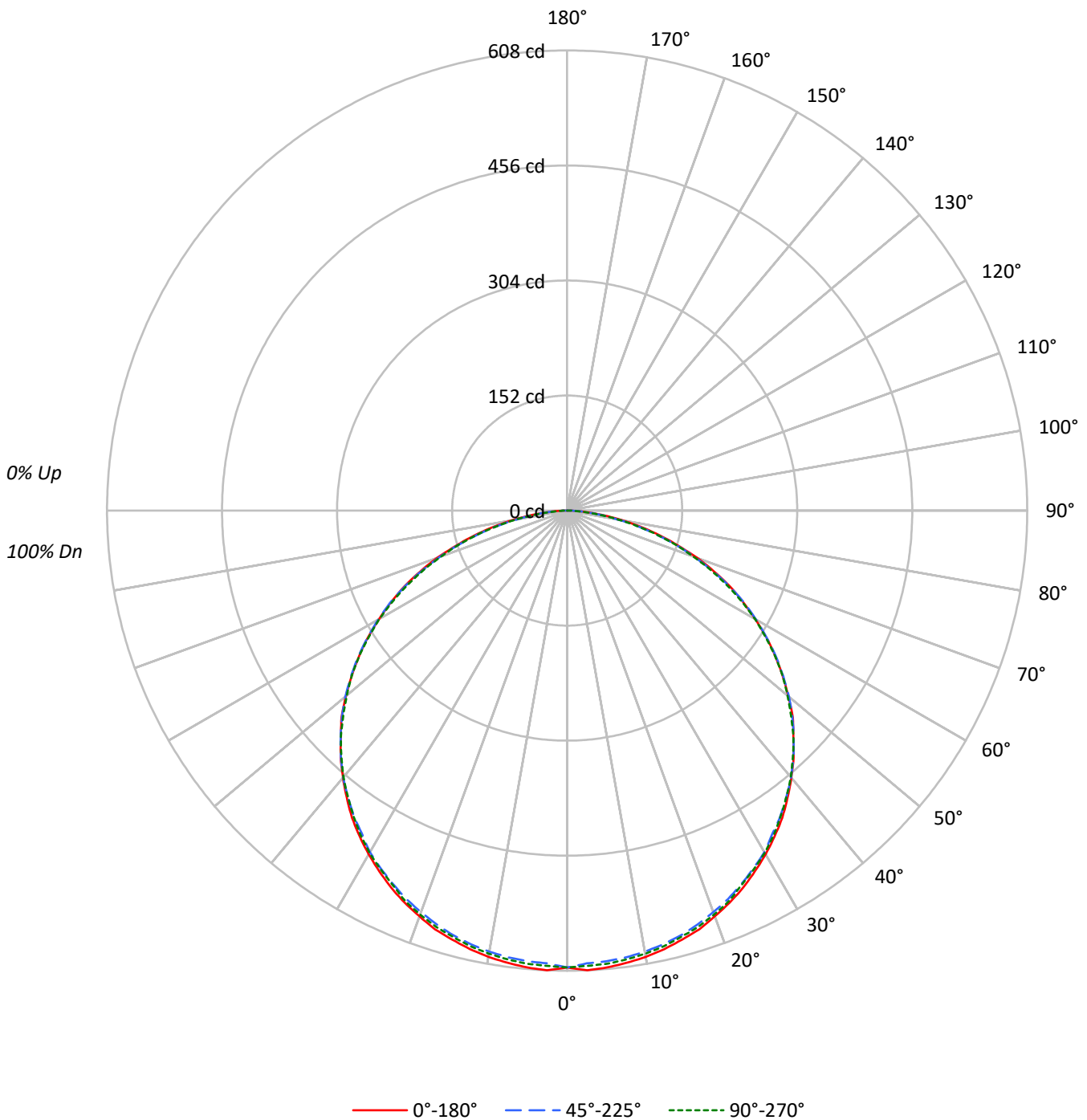
Lumens per Lamp: N/A
Luminaire Lumens: 1805.0 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	6498	6498	6498
5°	6547	6458	6494
10°	6545	6467	6498
15°	6540	6473	6498
20°	6536	6467	6505
25°	6531	6467	6480
30°	6518	6478	6490
35°	6512	6462	6470
40°	6476	6469	6461
45°	6438	6445	6438
50°	6390	6409	6363
55°	6305	6326	6296
60°	6183	6206	6170
65°	6057	6016	5932
70°	5759	5637	5570
75°	5261	5078	5103
80°	4544	4209	4308
85°	3421	3285	2952



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	3.2
10°-20°	165.0	9.1
20°-30°	252.5	14.0
30°-40°	308.7	17.1
40°-50°	326.6	18.1
50°-60°	300.9	16.7
60°-70°	231.9	12.8
70°-80°	129.9	7.2
80°-90°	32.3	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°	474.8	26.3
0°-40°	783.5	43.4
0°-60°	1410.9	78.2
0°-90°	1805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	606	604	598	604	601	58
15°	587	586	581	586	583	166
25°	550	549	544	549	546	253
35°	496	495	492	494	492	310
45°	423	424	423	423	423	327
55°	336	339	337	337	336	300
65°	238	238	236	230	233	234
75°	126	125	122	118	123	134
85°	28	26	27	27	24	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	603.7	603.7	603.7	603.7	603.7
2.5°	608.0	605.3	598.8	604.8	602.1
5°	605.9	603.7	597.7	603.7	601.0
7.5°	602.6	601.0	595.5	601.0	598.3
10°	598.8	597.2	591.7	597.2	594.5
12.5°	593.4	592.3	586.9	592.3	589.6
15°	586.9	585.8	580.9	585.8	583.1
17.5°	580.3	578.2	573.3	578.7	576.5
20°	570.6	569.5	564.6	569.5	567.9
22.5°	560.8	559.7	555.4	559.7	558.6
25°	549.9	548.9	544.5	548.9	545.6
27.5°	537.4	538.0	533.1	535.8	534.2
30°	524.4	524.4	521.2	522.2	522.2
32.5°	510.3	510.3	505.4	508.7	508.1
35°	495.6	494.6	491.8	493.5	492.4
37.5°	478.3	477.7	476.1	477.2	476.1
40°	460.9	461.4	460.4	459.8	459.8
42.5°	443.0	444.1	442.4	441.9	441.4
45°	422.9	424.5	423.4	422.9	422.9
47.5°	404.4	405.0	403.4	402.8	401.2
50°	381.6	383.8	382.7	381.6	380.0
52.5°	358.8	362.1	359.9	358.8	358.8
55°	336.0	338.8	337.1	337.1	335.5
57.5°	312.2	314.9	312.7	312.7	310.5
60°	287.2	289.9	288.3	286.6	286.6
62.5°	262.2	264.4	263.8	261.1	259.5
65°	237.8	237.8	236.2	230.2	232.9
67.5°	210.1	209.6	207.4	201.4	205.2
70°	183.0	183.0	179.1	172.1	177.0
72.5°	153.6	155.3	150.4	145.5	150.4
75°	126.5	124.9	122.1	117.8	122.7
77.5°	100.4	97.7	94.5	92.3	95.0
80°	73.3	71.7	67.9	67.9	69.5
82.5°	49.9	48.3	45.6	46.1	44.0
85°	27.7	26.1	26.6	26.6	23.9
87.5°	11.4	11.4	11.4	10.3	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)