

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: P566851

Luminaire Tested: **4SNX-81HL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

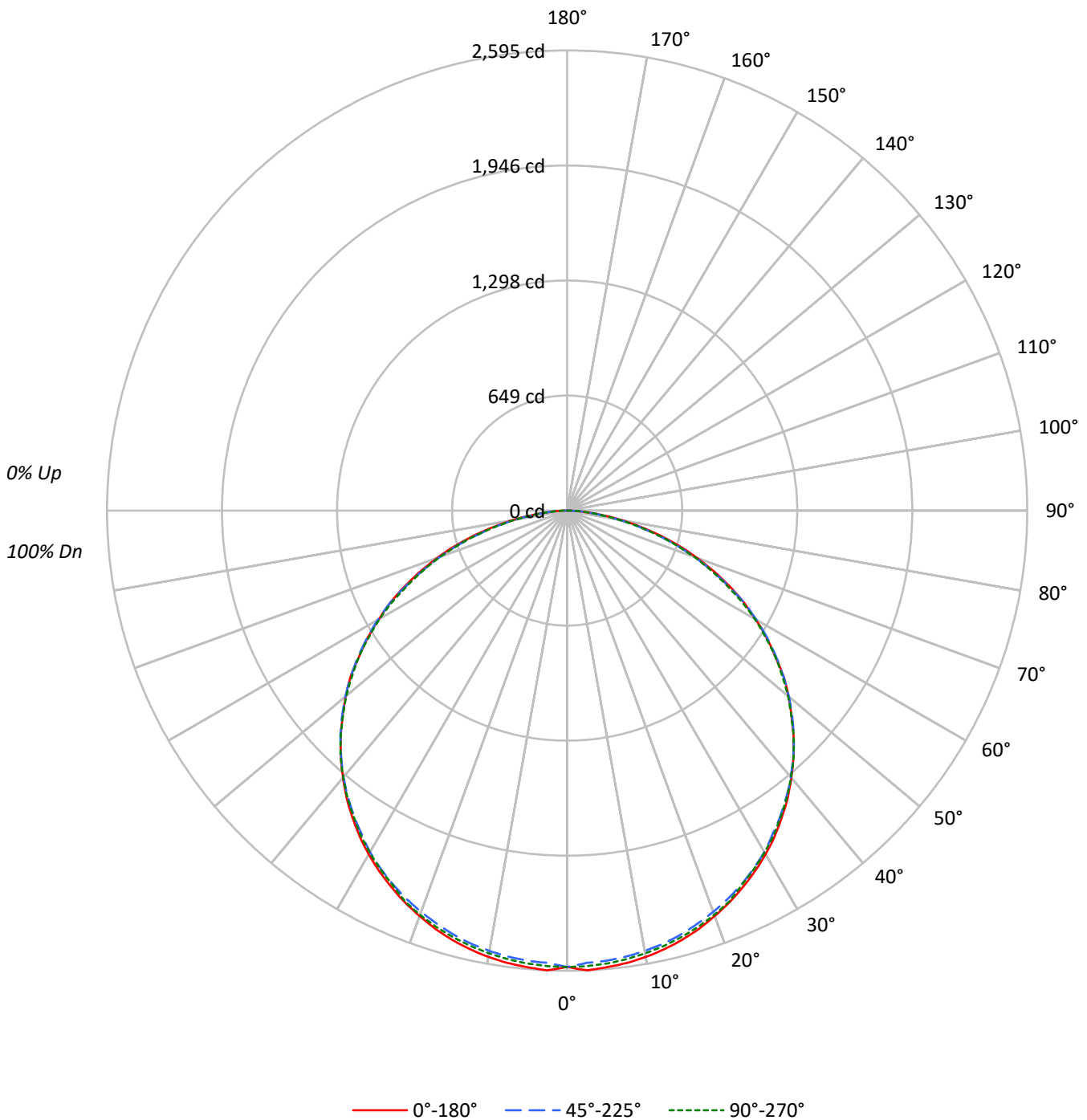
Test Method: LM-79-08  
Report Number: P566851  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-81HL-UNV-L935-CD  
Description: 4FT 8100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7704.0 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 55.1  
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	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°	27702	27702	27702
5°	27926	27538	27702
10°	27939	27559	27713
15°	27927	27587	27745
20°	27870	27584	27783
25°	27837	27617	27669
30°	27819	27642	27670
35°	27750	27579	27621
40°	27639	27577	27593
45°	27489	27539	27489
50°	27302	27357	27212
55°	26877	27020	26877
60°	26425	26542	26307
65°	25770	25464	25187
70°	24542	23994	23925
75°	22649	21560	21651
80°	19377	18162	18497
85°	14388	14129	13178



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.2	3.2
10°-20°	703.7	9.1
20°-30°	1077.4	14.0
30°-40°	1317.9	17.1
40°-50°	1393.9	18.1
50°-60°	1284.4	16.7
60°-70°	988.5	12.8
70°-80°	555.4	7.2
80°-90°	138.5	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°	2025.3	26.3
0°-40°	3343.3	43.4
0°-60°	6021.6	78.2
0°-90°	7704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7704.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2574	2574	2574	2574	2574	
5°	2584	2577	2549	2572	2564	246
15°	2506	2500	2476	2497	2490	707
25°	2344	2342	2325	2342	2330	1081
35°	2112	2109	2099	2109	2102	1322
45°	1806	1811	1809	1805	1806	1392
55°	1432	1445	1440	1436	1432	1283
65°	1012	1014	1000	986	989	998
75°	545	536	518	511	521	574
85°	116	114	114	111	107	144
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2573.6	2573.6	2573.6	2573.6	2573.6
2.5°	2595.4	2581.3	2553.0	2578.0	2571.5
5°	2584.5	2576.9	2548.6	2571.5	2563.8
7.5°	2573.6	2564.9	2537.7	2562.8	2551.9
10°	2556.2	2548.6	2521.4	2545.3	2535.5
12.5°	2533.3	2526.8	2501.8	2524.6	2514.8
15°	2506.1	2499.6	2475.6	2497.4	2489.8
17.5°	2473.4	2465.8	2442.9	2465.8	2460.4
20°	2433.1	2428.8	2408.1	2428.8	2425.5
22.5°	2391.8	2386.3	2370.0	2385.2	2386.3
25°	2343.8	2341.7	2325.3	2341.7	2329.7
27.5°	2293.7	2293.7	2277.4	2288.3	2280.7
30°	2238.2	2237.1	2224.0	2229.5	2226.2
32.5°	2178.3	2177.2	2159.8	2173.9	2168.5
35°	2111.8	2108.6	2098.8	2108.6	2102.0
37.5°	2043.2	2040.0	2032.3	2037.8	2036.7
40°	1967.0	1967.0	1962.6	1967.0	1963.7
42.5°	1888.6	1891.8	1886.4	1890.8	1890.8
45°	1805.8	1811.2	1809.1	1804.7	1805.8
47.5°	1717.6	1727.4	1721.9	1720.8	1715.4
50°	1630.4	1639.2	1633.7	1628.3	1625.0
52.5°	1540.0	1544.4	1537.9	1535.7	1528.1
55°	1432.2	1445.3	1439.8	1435.5	1432.2
57.5°	1333.1	1342.9	1338.6	1329.8	1324.4
60°	1227.5	1235.1	1232.9	1223.1	1222.0
62.5°	1124.0	1126.2	1124.0	1106.6	1107.7
65°	1011.8	1014.0	999.8	985.7	988.9
67.5°	894.2	900.7	881.1	860.4	874.6
70°	779.8	777.6	762.4	739.5	760.2
72.5°	662.2	660.0	642.6	626.3	640.4
75°	544.6	535.9	518.4	510.8	520.6
77.5°	422.6	412.8	405.2	399.7	404.1
80°	312.6	299.5	293.0	288.6	298.4
82.5°	208.0	198.2	195.0	198.2	196.0
85°	116.5	114.4	114.4	111.1	106.7
87.5°	47.9	50.1	51.2	50.1	47.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)