

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: P566850

Luminaire Tested: **4SNX-81HL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

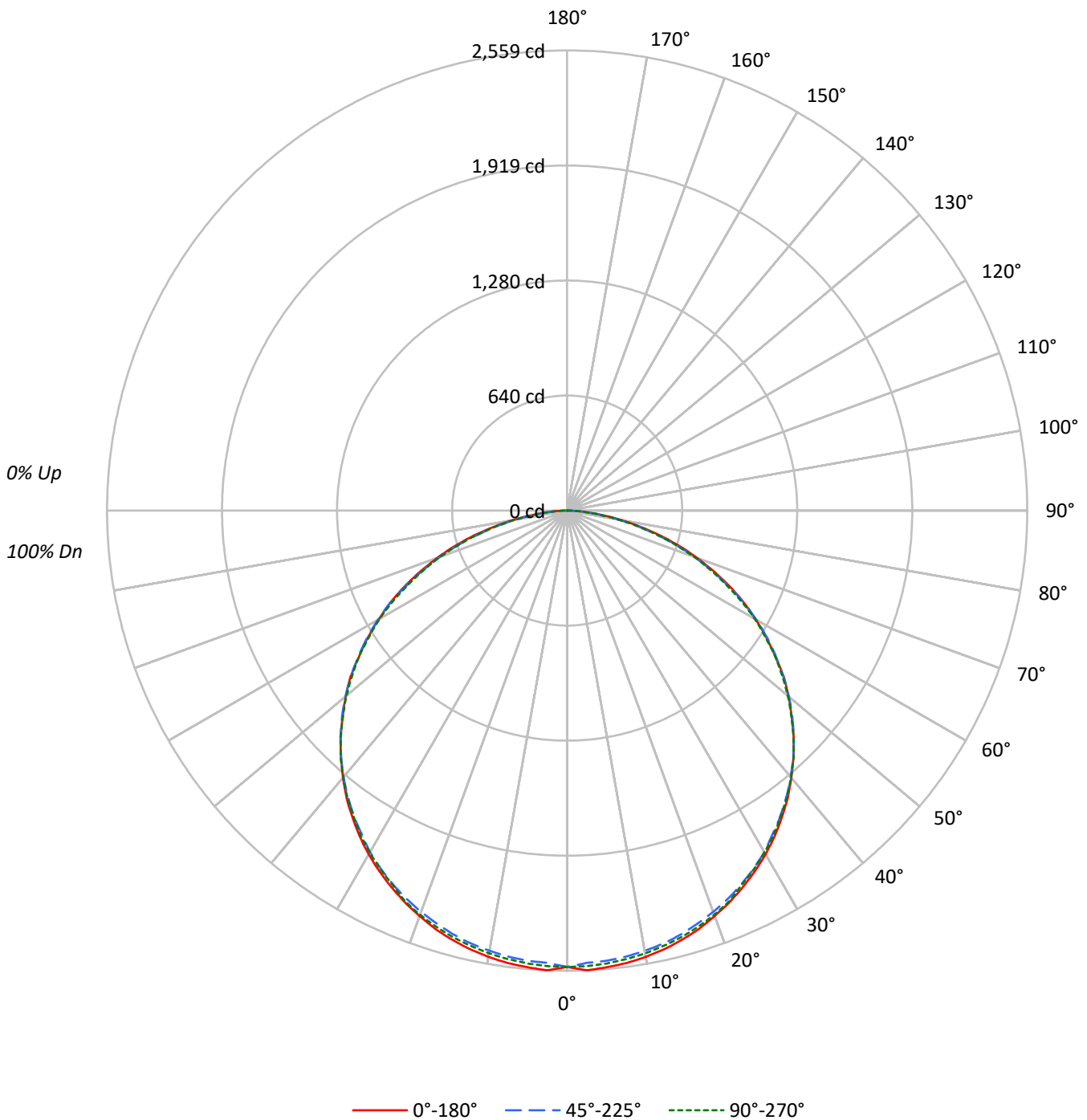
Test Method: LM-79-08  
Report Number: P566850  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-81HL-UNV-L930-CD  
Description: 4FT 8100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7596.0 lumens  
Efficiency: N/A  
Efficacy: 137.9 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°	27315	27315	27315
5°	27534	27152	27314
10°	27548	27172	27325
15°	27536	27200	27356
20°	27480	27197	27394
25°	27447	27230	27281
30°	27429	27256	27282
35°	27361	27193	27235
40°	27251	27191	27206
45°	27104	27152	27104
50°	26920	26974	26830
55°	26500	26643	26500
60°	26055	26169	25939
65°	25408	25108	24835
70°	24198	23657	23591
75°	22329	21260	21347
80°	19104	17908	18237
85°	14190	13931	12992



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.8	3.2
10°-20°	693.9	9.1
20°-30°	1062.3	14.0
30°-40°	1299.4	17.1
40°-50°	1374.4	18.1
50°-60°	1266.4	16.7
60°-70°	974.7	12.8
70°-80°	547.6	7.2
80°-90°	136.6	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°	1996.9	26.3
0°-40°	3296.4	43.4
0°-60°	5937.1	78.2
0°-90°	7596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7596.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2538	2538	2538	2538	2538	
5°	2548	2541	2513	2535	2528	242
15°	2471	2464	2441	2462	2455	698
25°	2311	2309	2293	2309	2297	1066
35°	2082	2079	2069	2079	2073	1303
45°	1780	1786	1784	1779	1780	1373
55°	1412	1425	1420	1415	1412	1265
65°	998	1000	986	972	975	984
75°	537	528	511	504	513	566
85°	115	113	113	110	105	142
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2537.6	2537.6	2537.6	2537.6	2537.6
2.5°	2559.0	2545.1	2517.2	2541.9	2535.4
5°	2548.3	2540.8	2512.9	2535.4	2527.9
7.5°	2537.6	2529.0	2502.1	2526.8	2516.1
10°	2520.4	2512.9	2486.0	2509.6	2500.0
12.5°	2497.8	2491.4	2466.7	2489.2	2479.6
15°	2471.0	2464.5	2440.9	2462.4	2454.9
17.5°	2438.8	2431.3	2408.7	2431.3	2425.9
20°	2399.0	2394.7	2374.3	2394.7	2391.5
22.5°	2358.2	2352.9	2336.8	2351.8	2352.9
25°	2311.0	2308.8	2292.7	2308.8	2297.0
27.5°	2261.6	2261.6	2245.5	2256.2	2248.7
30°	2206.8	2205.7	2192.9	2198.2	2195.0
32.5°	2147.7	2146.7	2129.5	2143.5	2138.1
35°	2082.2	2079.0	2069.4	2079.0	2072.6
37.5°	2014.6	2011.4	2003.8	2009.2	2008.1
40°	1939.4	1939.4	1935.1	1939.4	1936.2
42.5°	1862.1	1865.3	1860.0	1864.2	1864.2
45°	1780.5	1785.9	1783.7	1779.4	1780.5
47.5°	1693.5	1703.2	1697.8	1696.7	1691.4
50°	1607.6	1616.2	1610.8	1605.4	1602.2
52.5°	1518.5	1522.8	1516.3	1514.2	1506.6
55°	1412.1	1425.0	1419.7	1415.4	1412.1
57.5°	1314.4	1324.1	1319.8	1311.2	1305.8
60°	1210.3	1217.8	1215.6	1206.0	1204.9
62.5°	1108.2	1110.4	1108.2	1091.1	1092.1
65°	997.6	999.8	985.8	971.9	975.1
67.5°	881.7	888.1	868.8	848.4	862.3
70°	768.9	766.7	751.7	729.2	749.6
72.5°	652.9	650.8	633.6	617.5	631.4
75°	536.9	528.3	511.2	503.6	513.3
77.5°	416.7	407.0	399.5	394.1	398.4
80°	308.2	295.3	288.9	284.6	294.2
82.5°	205.1	195.4	192.2	195.4	193.3
85°	114.9	112.8	112.8	109.5	105.2
87.5°	47.3	49.4	50.5	49.4	47.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)