

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: P567045

Luminaire Tested: **4SNX-93HL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567045  
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-93HL-UNV-L950-CD  
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

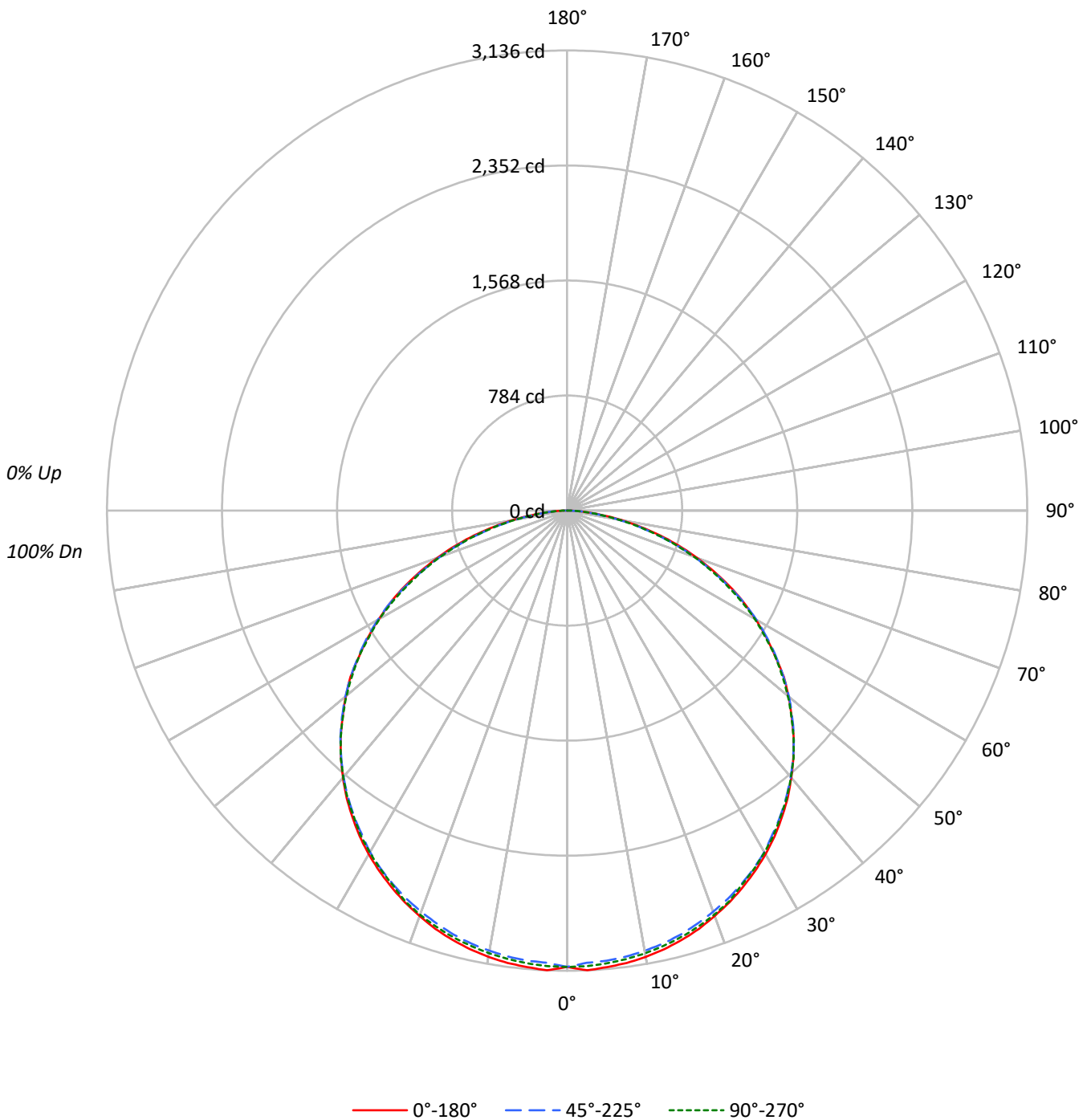
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9308.0 lumens  
Efficiency: N/A  
Efficacy: 138.1 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): 67.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	33470	33470	33470
5°	33740	33271	33470
10°	33756	33296	33483
15°	33742	33332	33522
20°	33673	33328	33568
25°	33632	33367	33429
30°	33611	33398	33431
35°	33528	33321	33372
40°	33393	33320	33338
45°	33212	33272	33212
50°	32987	33054	32877
55°	32473	32646	32473
60°	31926	32068	31784
65°	31137	30767	30431
70°	29653	28988	28907
75°	27365	26051	26159
80°	23412	21943	22352
85°	17389	17068	15932



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.1	3.2
10°-20°	850.3	9.1
20°-30°	1301.7	14.0
30°-40°	1592.3	17.1
40°-50°	1684.2	18.1
50°-60°	1551.8	16.7
60°-70°	1194.3	12.8
70°-80°	671.0	7.2
80°-90°	167.4	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°	2447.0	26.3
0°-40°	4039.3	43.4
0°-60°	7275.3	78.2
0°-90°	9308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9308.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3110	3110	3110	3110	3110	
5°	3123	3113	3079	3107	3098	297
15°	3028	3020	2991	3017	3008	855
25°	2832	2829	2810	2829	2815	1306
35°	2552	2548	2536	2548	2540	1597
45°	2182	2188	2186	2180	2182	1682
55°	1730	1746	1740	1734	1730	1550
65°	1222	1225	1208	1191	1195	1206
75°	658	647	626	617	629	693
85°	141	138	138	134	129	174
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3109.5	3109.5	3109.5	3109.5	3109.5
2.5°	3135.8	3118.7	3084.5	3114.7	3106.9
5°	3122.6	3113.4	3079.2	3106.9	3097.6
7.5°	3109.5	3099.0	3066.1	3096.3	3083.2
10°	3088.4	3079.2	3046.3	3075.3	3063.4
12.5°	3060.8	3052.9	3022.6	3050.3	3038.4
15°	3027.9	3020.0	2991.1	3017.4	3008.2
17.5°	2988.4	2979.2	2951.6	2979.2	2972.6
20°	2939.7	2934.5	2909.5	2934.5	2930.5
22.5°	2889.7	2883.1	2863.4	2881.8	2883.1
25°	2831.8	2829.2	2809.5	2829.2	2814.7
27.5°	2771.3	2771.3	2751.6	2764.7	2755.5
30°	2704.2	2702.9	2687.1	2693.7	2689.7
32.5°	2631.8	2630.5	2609.4	2626.5	2620.0
35°	2551.5	2547.6	2535.8	2547.6	2539.7
37.5°	2468.6	2464.7	2455.5	2462.1	2460.7
40°	2376.5	2376.5	2371.3	2376.5	2372.6
42.5°	2281.8	2285.7	2279.1	2284.4	2284.4
45°	2181.8	2188.4	2185.7	2180.5	2181.8
47.5°	2075.2	2087.0	2080.4	2079.1	2072.6
50°	1969.9	1980.4	1973.9	1967.3	1963.3
52.5°	1860.7	1866.0	1858.1	1855.4	1846.2
55°	1730.4	1746.2	1739.6	1734.4	1730.4
57.5°	1610.7	1622.5	1617.2	1606.7	1600.1
60°	1483.0	1492.2	1489.6	1477.8	1476.4
62.5°	1358.0	1360.6	1358.0	1337.0	1338.3
65°	1222.5	1225.1	1208.0	1190.9	1194.8
67.5°	1080.4	1088.3	1064.6	1039.6	1056.7
70°	942.2	939.6	921.1	893.5	918.5
72.5°	800.1	797.4	776.4	756.6	773.8
75°	658.0	647.4	626.4	617.2	629.0
77.5°	510.6	498.7	489.5	482.9	488.2
80°	377.7	361.9	354.0	348.7	360.6
82.5°	251.3	239.5	235.5	239.5	236.9
85°	140.8	138.2	138.2	134.2	129.0
87.5°	57.9	60.5	61.8	60.5	57.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)