

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: P567044

Luminaire Tested: **4SNX-93HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567044
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-L940-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

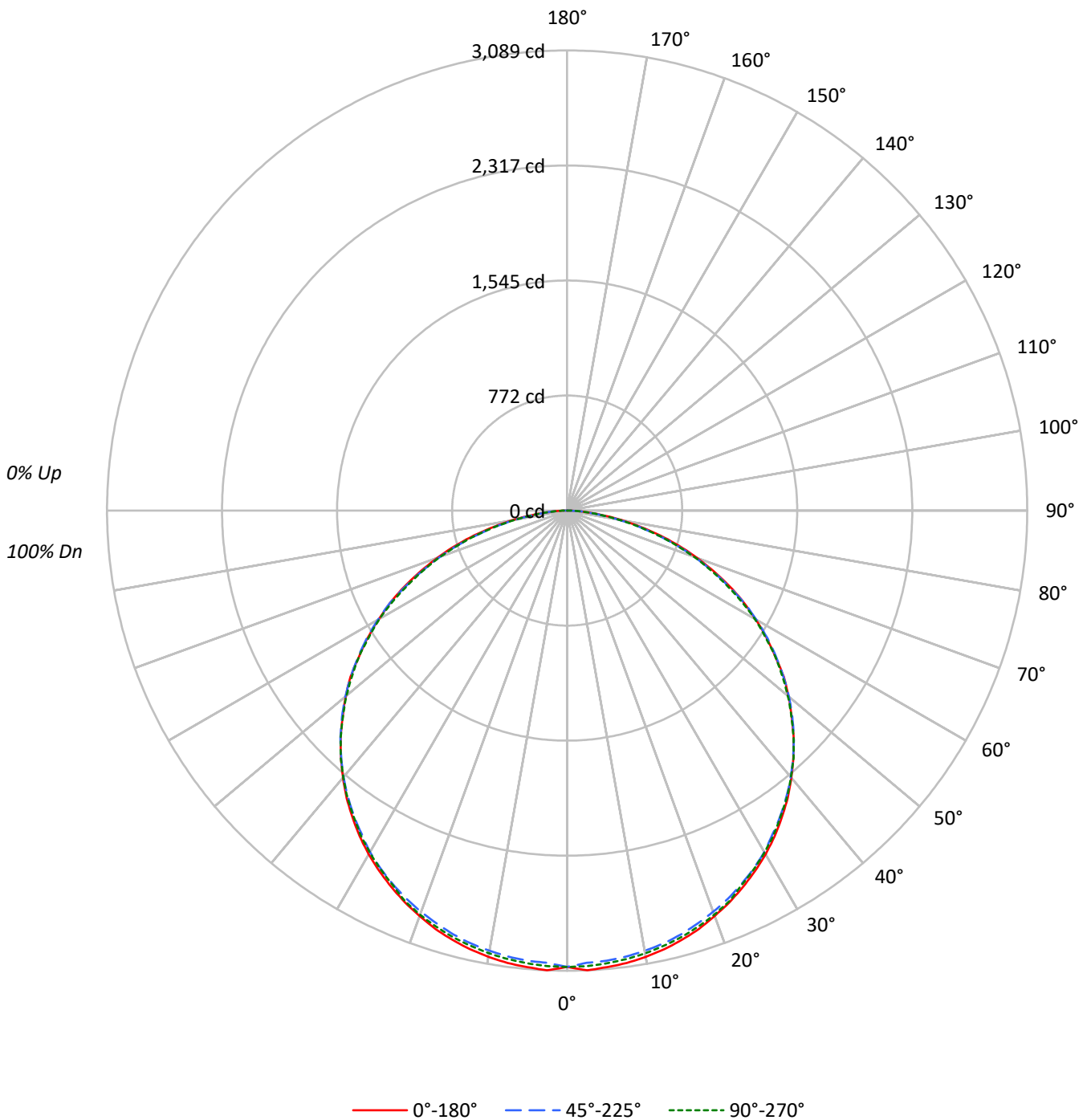
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9169.0 lumens
Efficiency: N/A
Efficacy: 136.0 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 (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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CATALOG NUMBER: 4SNX-93HL-UNV-L940-CD

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°	32971	32971	32971
5°	33236	32774	32970
10°	33252	32799	32983
15°	33238	32834	33021
20°	33171	32829	33067
25°	33130	32869	32930
30°	33109	32900	32931
35°	33027	32823	32874
40°	32894	32822	32839
45°	32716	32776	32716
50°	32495	32560	32386
55°	31989	32158	31989
60°	31450	31590	31310
65°	30670	30309	29978
70°	29209	28557	28475
75°	26954	25660	25768
80°	23059	21615	22018
85°	17130	16809	15685



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.7	3.2
10°-20°	837.6	9.1
20°-30°	1282.2	14.0
30°-40°	1568.5	17.1
40°-50°	1659.0	18.1
50°-60°	1528.6	16.7
60°-70°	1176.5	12.8
70°-80°	661.0	7.2
80°-90°	164.9	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°	2410.5	26.3
0°-40°	3979.0	43.4
0°-60°	7166.6	78.2
0°-90°	9169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3063	3063	3063	3063	3063	
5°	3076	3067	3033	3060	3051	293
15°	2983	2975	2946	2972	2963	842
25°	2790	2787	2768	2787	2773	1287
35°	2513	2510	2498	2510	2502	1573
45°	2149	2156	2153	2148	2149	1657
55°	1705	1720	1714	1708	1705	1527
65°	1204	1207	1190	1173	1177	1188
75°	648	638	617	608	620	683
85°	139	136	136	132	127	171
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3063.1	3063.1	3063.1	3063.1	3063.1
2.5°	3089.0	3072.1	3038.4	3068.2	3060.5
5°	3076.0	3066.9	3033.2	3060.5	3051.4
7.5°	3063.1	3052.7	3020.3	3050.1	3037.1
10°	3042.3	3033.2	3000.8	3029.3	3017.7
12.5°	3015.1	3007.3	2977.5	3004.7	2993.1
15°	2982.7	2974.9	2946.4	2972.3	2963.2
17.5°	2943.8	2934.7	2907.5	2934.7	2928.2
20°	2895.8	2890.6	2866.0	2890.6	2886.8
22.5°	2846.6	2840.1	2820.7	2838.8	2840.1
25°	2789.5	2786.9	2767.5	2786.9	2772.7
27.5°	2729.9	2729.9	2710.5	2723.4	2714.4
30°	2663.8	2662.5	2647.0	2653.4	2649.5
32.5°	2592.5	2591.2	2570.5	2587.3	2580.8
35°	2513.4	2509.5	2497.9	2509.5	2501.8
37.5°	2431.8	2427.9	2418.8	2425.3	2424.0
40°	2341.0	2341.0	2335.9	2341.0	2337.1
42.5°	2247.7	2251.6	2245.1	2250.3	2250.3
45°	2149.2	2155.7	2153.1	2147.9	2149.2
47.5°	2044.2	2055.9	2049.4	2048.1	2041.6
50°	1940.5	1950.9	1944.4	1937.9	1934.0
52.5°	1832.9	1838.1	1830.3	1827.7	1818.6
55°	1704.6	1720.1	1713.6	1708.5	1704.6
57.5°	1586.6	1598.3	1593.1	1582.7	1576.2
60°	1460.9	1470.0	1467.4	1455.7	1454.4
62.5°	1337.7	1340.3	1337.7	1317.0	1318.3
65°	1204.2	1206.8	1190.0	1173.1	1177.0
67.5°	1064.2	1072.0	1048.7	1024.0	1040.9
70°	928.1	925.5	907.4	880.2	904.8
72.5°	788.1	785.5	764.8	745.3	762.2
75°	648.1	637.8	617.0	607.9	619.6
77.5°	502.9	491.3	482.2	475.7	480.9
80°	372.0	356.5	348.7	343.5	355.2
82.5°	247.6	235.9	232.0	235.9	233.3
85°	138.7	136.1	136.1	132.2	127.0
87.5°	57.0	59.6	60.9	59.6	57.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)