

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: P567041

Luminaire Tested: **4SNX-93HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567041
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-L850-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

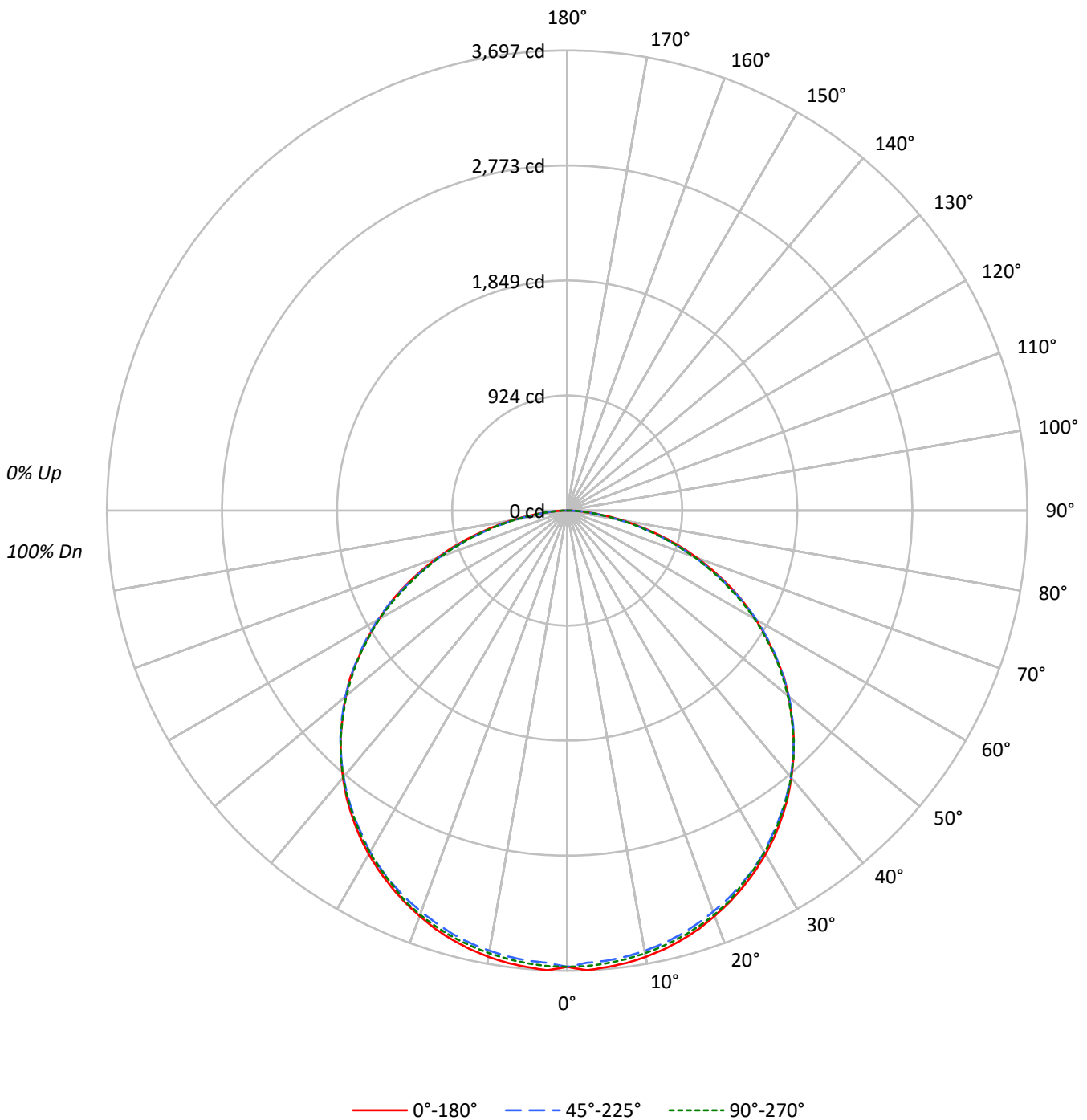
Lumens per Lamp: N/A
Luminaire Lumens: 10973.0 lumens
Efficiency: N/A
Efficacy: 162.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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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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°	39457	39457	39457
5°	39775	39222	39457
10°	39795	39252	39472
15°	39777	39294	39519
20°	39697	39289	39573
25°	39649	39336	39409
30°	39623	39372	39410
35°	39526	39280	39342
40°	39366	39279	39301
45°	39152	39224	39152
50°	38888	38966	38758
55°	38283	38486	38283
60°	37637	37805	37471
65°	36707	36271	35876
70°	34955	34175	34077
75°	32256	30709	30838
80°	27597	25867	26351
85°	20501	20118	18772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.9	3.2
10°-20°	1002.4	9.1
20°-30°	1534.5	14.0
30°-40°	1877.1	17.1
40°-50°	1985.4	18.1
50°-60°	1829.4	16.7
60°-70°	1408.0	12.8
70°-80°	791.0	7.2
80°-90°	197.3	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°	2884.7	26.3
0°-40°	4761.9	43.4
0°-60°	8576.6	78.2
0°-90°	10973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3666	3666	3666	3666	3666	
5°	3681	3670	3630	3663	3652	350
15°	3570	3560	3526	3557	3546	1008
25°	3338	3335	3312	3335	3318	1540
35°	3008	3003	2989	3003	2994	1882
45°	2572	2580	2577	2570	2572	1983
55°	2040	2059	2051	2045	2040	1827
65°	1441	1444	1424	1404	1409	1422
75°	776	763	738	728	742	817
85°	166	163	163	158	152	205
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3665.7	3665.7	3665.7	3665.7	3665.7
2.5°	3696.7	3676.6	3636.2	3671.9	3662.6
5°	3681.2	3670.4	3630.0	3662.6	3651.7
7.5°	3665.7	3653.3	3614.5	3650.2	3634.7
10°	3640.9	3630.0	3591.2	3625.4	3611.4
12.5°	3608.3	3599.0	3563.3	3595.9	3581.9
15°	3569.5	3560.2	3526.1	3557.1	3546.3
17.5°	3523.0	3512.1	3479.6	3512.1	3504.4
20°	3465.6	3459.4	3429.9	3459.4	3454.7
22.5°	3406.6	3398.9	3375.6	3397.3	3398.9
25°	3338.4	3335.3	3312.0	3335.3	3318.2
27.5°	3267.0	3267.0	3243.8	3259.3	3248.4
30°	3187.9	3186.4	3167.7	3175.5	3170.8
32.5°	3102.6	3101.0	3076.2	3096.4	3088.6
35°	3008.0	3003.3	2989.3	3003.3	2994.0
37.5°	2910.2	2905.6	2894.7	2902.5	2900.9
40°	2801.6	2801.6	2795.4	2801.6	2797.0
42.5°	2689.9	2694.6	2686.8	2693.0	2693.0
45°	2572.0	2579.8	2576.7	2570.5	2572.0
47.5°	2446.4	2460.4	2452.6	2451.0	2443.3
50°	2322.3	2334.7	2326.9	2319.2	2314.5
52.5°	2193.5	2199.7	2190.4	2187.3	2176.5
55°	2040.0	2058.6	2050.8	2044.6	2040.0
57.5°	1898.8	1912.7	1906.5	1894.1	1886.4
60°	1748.3	1759.2	1756.1	1742.1	1740.6
62.5°	1600.9	1604.0	1600.9	1576.1	1577.7
65°	1441.2	1444.3	1424.1	1403.9	1408.6
67.5°	1273.6	1282.9	1255.0	1225.5	1245.7
70°	1110.7	1107.6	1085.9	1053.3	1082.8
72.5°	943.2	940.1	915.3	892.0	912.2
75°	775.6	763.2	738.4	727.6	741.5
77.5°	601.9	587.9	577.1	569.3	575.5
80°	445.2	426.6	417.3	411.1	425.1
82.5°	296.3	282.3	277.7	282.3	279.2
85°	166.0	162.9	162.9	158.2	152.0
87.5°	68.3	71.4	72.9	71.4	68.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)