

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: P567042

Luminaire Tested: **4SNX-93HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567042
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-L930-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

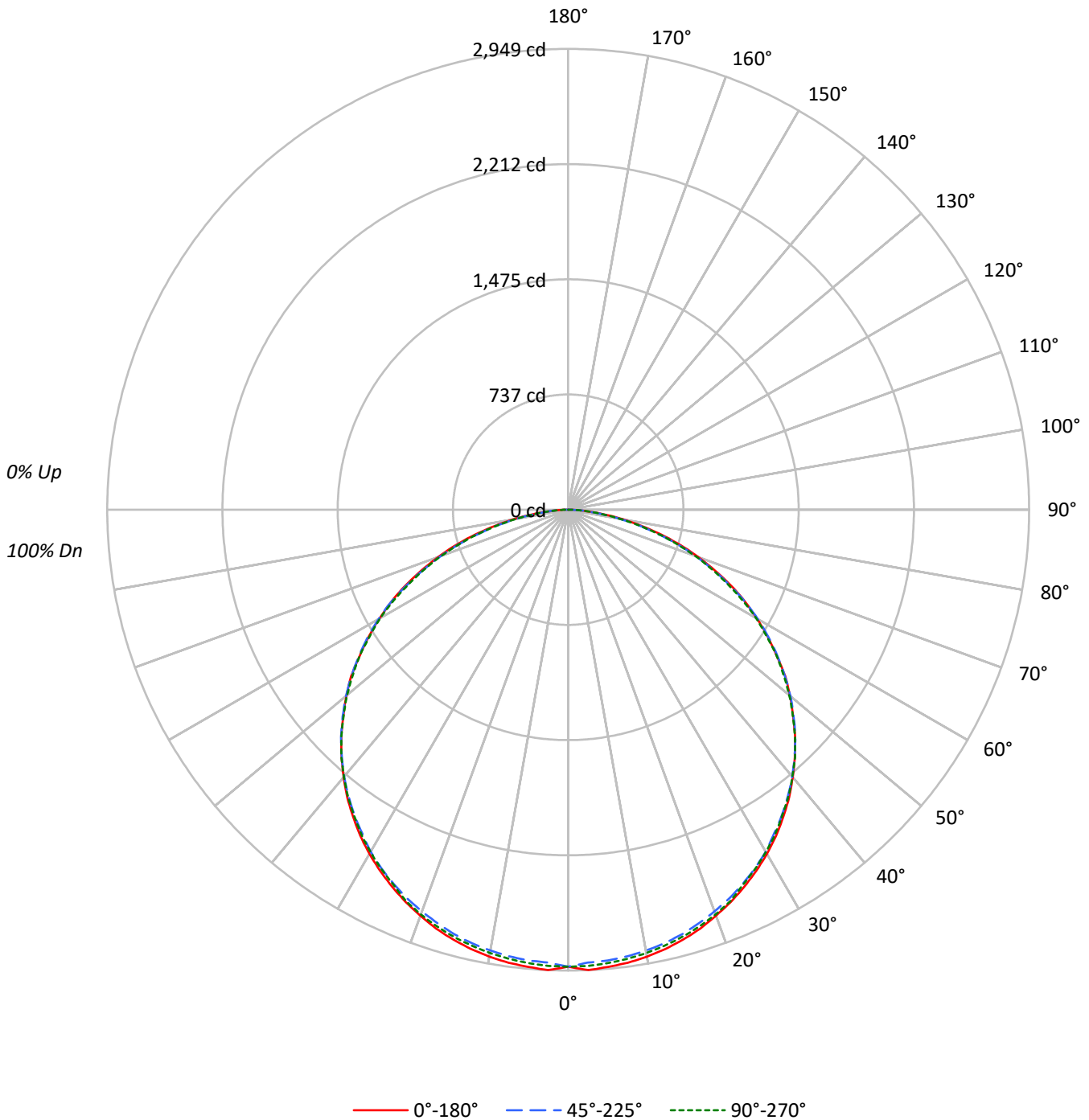
Lumens per Lamp: N/A
Luminaire Lumens: 8753.0 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 67.4
Input Voltage (V): NR
Input Current (A_{in}): 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°	31475	31475	31475
5°	31729	31287	31474
10°	31744	31311	31487
15°	31730	31344	31523
20°	31665	31340	31567
25°	31628	31377	31436
30°	31606	31407	31437
35°	31529	31334	31383
40°	31402	31333	31350
45°	31232	31288	31232
50°	31021	31083	30918
55°	30537	30700	30537
60°	30023	30156	29889
65°	29280	28933	28618
70°	27884	27261	27182
75°	25731	24496	24600
80°	22012	20635	21020
85°	16352	16043	14981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.5	3.2
10°-20°	799.6	9.1
20°-30°	1224.1	14.0
30°-40°	1497.4	17.1
40°-50°	1583.7	18.1
50°-60°	1459.3	16.7
60°-70°	1123.1	12.8
70°-80°	631.0	7.2
80°-90°	157.4	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°	2301.1	26.3
0°-40°	3798.5	43.4
0°-60°	6841.5	78.2
0°-90°	8753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8753.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2924	2924	2924	2924	2924	
5°	2936	2928	2896	2922	2913	279
15°	2847	2840	2813	2838	2829	804
25°	2663	2660	2642	2660	2647	1228
35°	2399	2396	2385	2396	2388	1501
45°	2052	2058	2055	2050	2052	1582
55°	1627	1642	1636	1631	1627	1457
65°	1150	1152	1136	1120	1124	1134
75°	619	609	589	580	592	652
85°	132	130	130	126	121	163
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2924.1	2924.1	2924.1	2924.1	2924.1
2.5°	2948.8	2932.7	2900.6	2929.0	2921.6
5°	2936.5	2927.8	2895.6	2921.6	2912.9
7.5°	2924.1	2914.2	2883.2	2911.7	2899.3
10°	2904.3	2895.6	2864.7	2891.9	2880.8
12.5°	2878.3	2870.9	2842.4	2868.4	2857.3
15°	2847.4	2839.9	2812.7	2837.5	2828.8
17.5°	2810.2	2801.6	2775.6	2801.6	2795.4
20°	2764.4	2759.5	2736.0	2759.5	2755.8
22.5°	2717.4	2711.2	2692.7	2710.0	2711.2
25°	2663.0	2660.5	2641.9	2660.5	2646.9
27.5°	2606.1	2606.1	2587.5	2599.9	2591.2
30°	2542.9	2541.7	2526.9	2533.0	2529.3
32.5°	2474.9	2473.6	2453.9	2469.9	2463.7
35°	2399.4	2395.7	2384.6	2395.7	2388.3
37.5°	2321.4	2317.7	2309.1	2315.3	2314.0
40°	2234.8	2234.8	2229.9	2234.8	2231.1
42.5°	2145.7	2149.4	2143.3	2148.2	2148.2
45°	2051.7	2057.9	2055.4	2050.4	2051.7
47.5°	1951.4	1962.6	1956.4	1955.2	1949.0
50°	1852.5	1862.4	1856.2	1850.0	1846.3
52.5°	1749.7	1754.7	1747.3	1744.8	1736.1
55°	1627.2	1642.1	1635.9	1631.0	1627.2
57.5°	1514.6	1525.8	1520.8	1510.9	1504.7
60°	1394.6	1403.3	1400.8	1389.6	1388.4
62.5°	1277.0	1279.5	1277.0	1257.2	1258.5
65°	1149.6	1152.1	1136.0	1119.9	1123.6
67.5°	1015.9	1023.4	1001.1	977.6	993.7
70°	886.0	883.5	866.2	840.2	863.7
72.5°	752.4	749.9	730.1	711.5	727.6
75°	618.7	608.8	589.0	580.4	591.5
77.5°	480.1	469.0	460.3	454.1	459.1
80°	355.1	340.3	332.9	327.9	339.1
82.5°	236.4	225.2	221.5	225.2	222.7
85°	132.4	129.9	129.9	126.2	121.3
87.5°	54.4	56.9	58.2	56.9	54.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)