

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: P565988

Luminaire Tested: **4SNX-100HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565988
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-100HL-UNV-L940-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

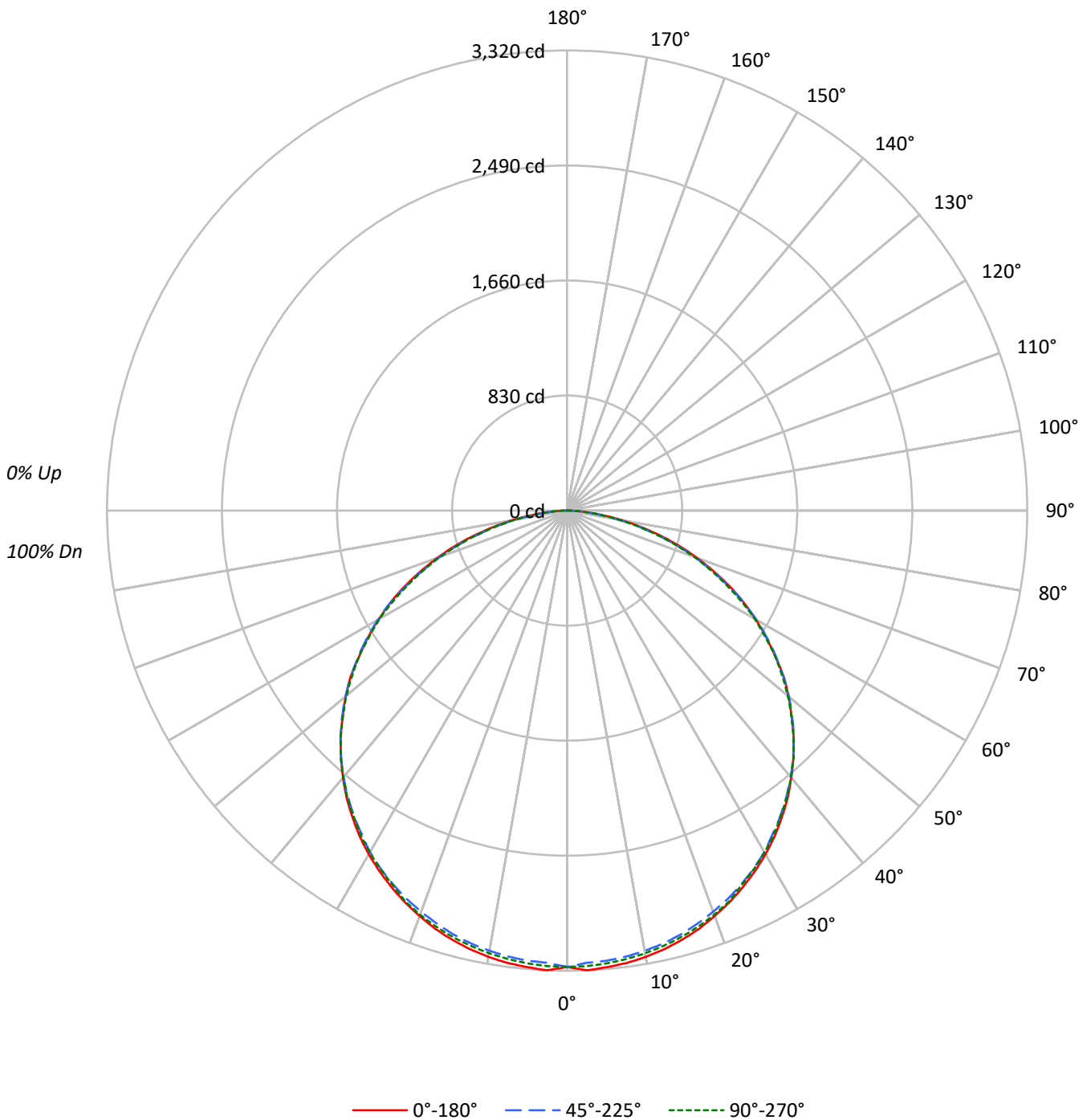
Lumens per Lamp: N/A
Luminaire Lumens: 9854.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 72.5
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°	35434	35434	35434
5°	35719	35222	35433
10°	35737	35249	35447
15°	35721	35286	35488
20°	35649	35282	35537
25°	35605	35325	35390
30°	35582	35357	35392
35°	35495	35275	35330
40°	35352	35274	35294
45°	35161	35223	35161
50°	34923	34992	34806
55°	34378	34562	34378
60°	33799	33949	33650
65°	32963	32573	32216
70°	31393	30691	30603
75°	28966	27577	27694
80°	24782	23226	23660
85°	18414	18068	16858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.4	3.2
10°-20°	900.1	9.1
20°-30°	1378.0	14.0
30°-40°	1685.7	17.1
40°-50°	1782.9	18.1
50°-60°	1642.8	16.7
60°-70°	1264.4	12.8
70°-80°	710.4	7.2
80°-90°	177.2	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°	2590.6	26.3
0°-40°	4276.3	43.4
0°-60°	7702.0	78.2
0°-90°	9854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9854.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3292	3292	3292	3292	3292	
5°	3306	3296	3260	3289	3279	314
15°	3206	3197	3166	3194	3185	905
25°	2998	2995	2974	2995	2980	1383
35°	2701	2697	2684	2697	2689	1690
45°	2310	2317	2314	2308	2310	1781
55°	1832	1849	1842	1836	1832	1641
65°	1294	1297	1279	1261	1265	1277
75°	696	685	663	653	666	734
85°	149	146	146	142	136	184
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3291.9	3291.9	3291.9	3291.9	3291.9
2.5°	3319.7	3301.6	3265.4	3297.5	3289.1
5°	3305.8	3296.1	3259.8	3289.1	3279.3
7.5°	3291.9	3280.7	3245.9	3278.0	3264.0
10°	3269.6	3259.8	3225.0	3255.7	3243.1
12.5°	3240.3	3232.0	3199.9	3229.2	3216.7
15°	3205.5	3197.2	3166.5	3194.4	3184.6
17.5°	3163.7	3154.0	3124.7	3154.0	3147.0
20°	3112.2	3106.6	3080.1	3106.6	3102.4
22.5°	3059.2	3052.3	3031.4	3050.9	3052.3
25°	2997.9	2995.2	2974.3	2995.2	2979.8
27.5°	2933.9	2933.9	2913.0	2926.9	2917.1
30°	2862.8	2861.4	2844.7	2851.7	2847.5
32.5°	2786.2	2784.8	2762.5	2780.6	2773.7
35°	2701.2	2697.0	2684.5	2697.0	2688.7
37.5°	2613.4	2609.3	2599.5	2606.5	2605.1
40°	2515.9	2515.9	2510.4	2515.9	2511.8
42.5°	2415.6	2419.8	2412.8	2418.4	2418.4
45°	2309.8	2316.7	2313.9	2308.4	2309.8
47.5°	2196.9	2209.5	2202.5	2201.1	2194.1
50°	2085.5	2096.6	2089.6	2082.7	2078.5
52.5°	1969.8	1975.4	1967.1	1964.3	1954.5
55°	1831.9	1848.6	1841.7	1836.1	1831.9
57.5°	1705.1	1717.7	1712.1	1701.0	1694.0
60°	1570.0	1579.8	1577.0	1564.4	1563.1
62.5°	1437.7	1440.5	1437.7	1415.4	1416.8
65°	1294.2	1297.0	1278.9	1260.8	1264.9
67.5°	1143.7	1152.1	1127.0	1100.5	1118.7
70°	997.5	994.7	975.2	945.9	972.4
72.5°	847.0	844.2	821.9	801.0	819.1
75°	696.5	685.4	663.1	653.4	665.9
77.5°	540.5	528.0	518.2	511.3	516.8
80°	399.8	383.1	374.7	369.2	381.7
82.5°	266.1	253.5	249.4	253.5	250.8
85°	149.1	146.3	146.3	142.1	136.5
87.5°	61.3	64.1	65.5	64.1	61.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)