

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: P565989

Luminaire Tested: **4SNX-100HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565989
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-L950-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

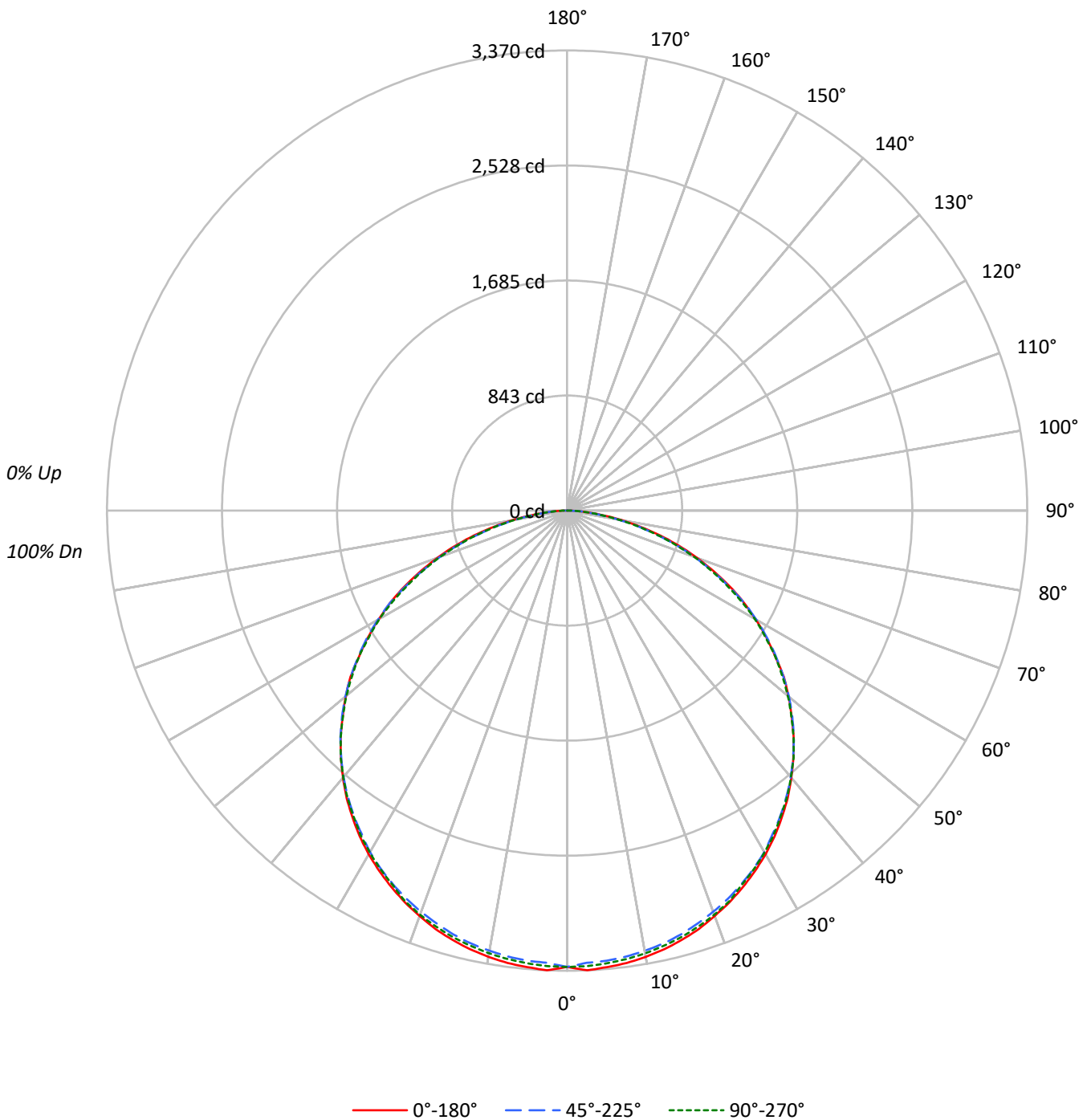
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10003.0 lumens
Efficiency: N/A
Efficacy: 138.0 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): 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°	35970	35970	35970
5°	36260	35755	35969
10°	36277	35783	35984
15°	36261	35820	36025
20°	36188	35815	36074
25°	36144	35858	35926
30°	36120	35892	35926
35°	36032	35809	35864
40°	35887	35807	35827
45°	35692	35756	35692
50°	35451	35521	35332
55°	34898	35084	34898
60°	34311	34462	34158
65°	33462	33065	32706
70°	31865	31154	31066
75°	29407	27993	28114
80°	25160	23580	24020
85°	18686	18340	17117



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.1	3.2
10°-20°	913.8	9.1
20°-30°	1398.9	14.0
30°-40°	1711.2	17.1
40°-50°	1809.9	18.1
50°-60°	1667.7	16.7
60°-70°	1283.5	12.8
70°-80°	721.1	7.2
80°-90°	179.9	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°	2629.7	26.3
0°-40°	4340.9	43.4
0°-60°	7818.5	78.2
0°-90°	10003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3342	3342	3342	3342	3342	
5°	3356	3346	3309	3339	3329	319
15°	3254	3246	3214	3243	3233	919
25°	3043	3040	3019	3040	3025	1404
35°	2742	2738	2725	2738	2729	1716
45°	2345	2352	2349	2343	2345	1808
55°	1860	1877	1870	1864	1860	1665
65°	1314	1317	1298	1280	1284	1296
75°	707	696	673	663	676	745
85°	151	148	148	144	139	187
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3341.7	3341.7	3341.7	3341.7	3341.7
2.5°	3369.9	3351.6	3314.8	3347.3	3338.8
5°	3355.8	3345.9	3309.1	3338.8	3328.9
7.5°	3341.7	3330.3	3295.0	3327.5	3313.4
10°	3319.0	3309.1	3273.8	3304.9	3292.2
12.5°	3289.3	3280.9	3248.3	3278.0	3265.3
15°	3254.0	3245.5	3214.4	3242.7	3232.8
17.5°	3211.6	3201.7	3172.0	3201.7	3194.6
20°	3159.2	3153.6	3126.7	3153.6	3149.3
22.5°	3105.5	3098.4	3077.2	3097.0	3098.4
25°	3043.3	3040.4	3019.2	3040.4	3024.9
27.5°	2978.2	2978.2	2957.0	2971.2	2961.3
30°	2906.1	2904.7	2887.7	2894.8	2890.5
32.5°	2828.3	2826.9	2804.3	2822.7	2815.6
35°	2742.1	2737.8	2725.1	2737.8	2729.3
37.5°	2653.0	2648.7	2638.8	2645.9	2644.5
40°	2554.0	2554.0	2548.3	2554.0	2549.7
42.5°	2452.2	2456.4	2449.3	2455.0	2455.0
45°	2344.7	2351.7	2348.9	2343.3	2344.7
47.5°	2230.1	2242.9	2235.8	2234.4	2227.3
50°	2117.0	2128.3	2121.2	2114.2	2109.9
52.5°	1999.6	2005.3	1996.8	1994.0	1984.1
55°	1859.6	1876.6	1869.5	1863.9	1859.6
57.5°	1730.9	1743.7	1738.0	1726.7	1719.6
60°	1593.8	1603.7	1600.8	1588.1	1586.7
62.5°	1459.4	1462.2	1459.4	1436.8	1438.2
65°	1313.8	1316.6	1298.2	1279.8	1284.1
67.5°	1161.0	1169.5	1144.1	1117.2	1135.6
70°	1012.5	1009.7	989.9	960.2	987.1
72.5°	859.8	857.0	834.4	813.1	831.5
75°	707.1	695.8	673.1	663.2	676.0
77.5°	548.7	536.0	526.1	519.0	524.7
80°	405.9	388.9	380.4	374.8	387.5
82.5°	270.1	257.4	253.1	257.4	254.5
85°	151.3	148.5	148.5	144.2	138.6
87.5°	62.2	65.1	66.5	65.1	62.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)