

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: P566034

Luminaire Tested: **4SNX-104HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566034
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-104HL-UNV-L930-CD
Description: 4FT 10400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

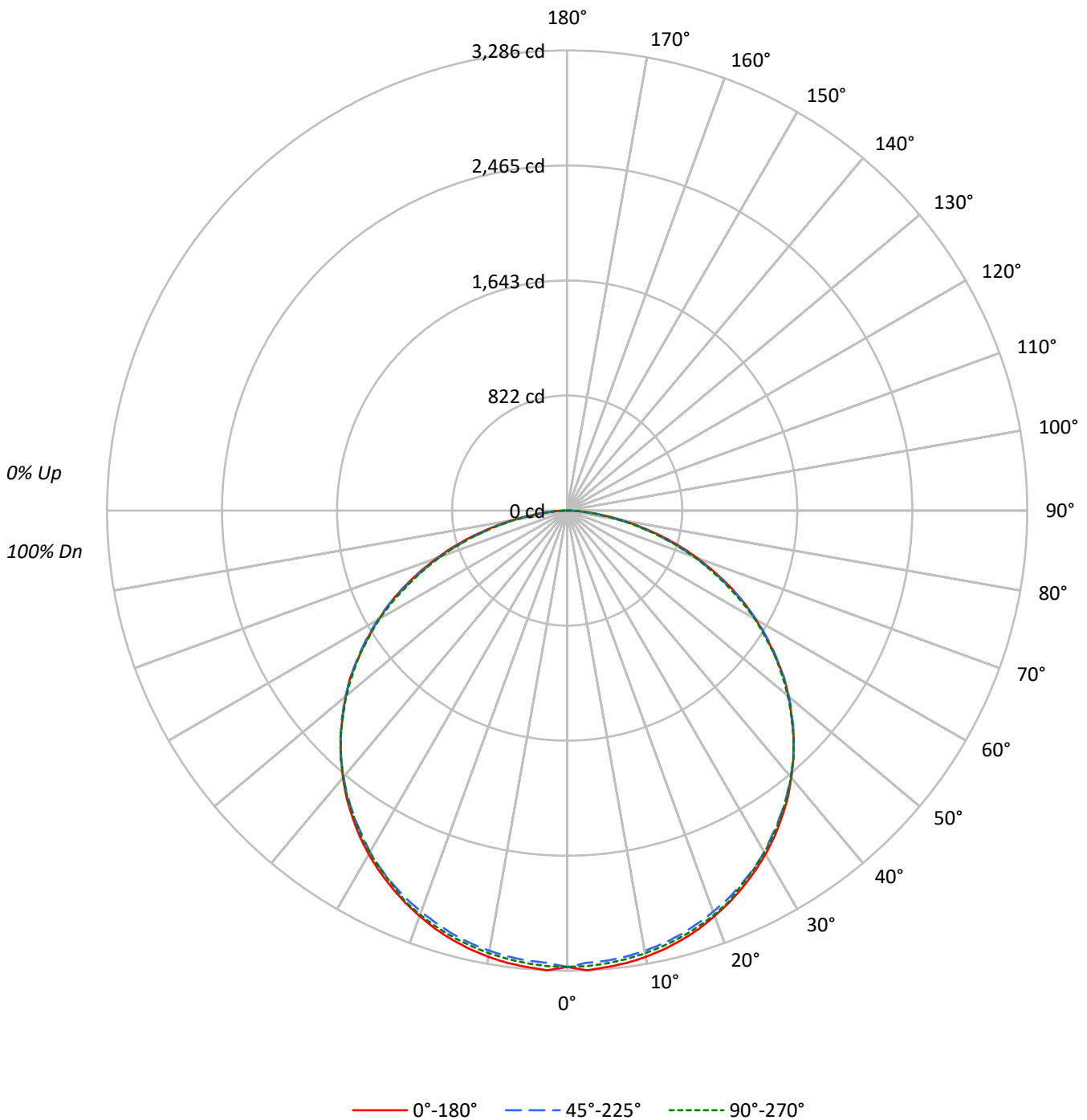
Lumens per Lamp: N/A
Luminaire Lumens: 9753.0 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 75.5
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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35070	35070	35070
5°	35353	34861	35070
10°	35370	34888	35084
15°	35355	34925	35125
20°	35284	34921	35173
25°	35240	34963	35028
30°	35218	34994	35029
35°	35131	34914	34968
40°	34989	34912	34932
45°	34800	34863	34800
50°	34565	34633	34449
55°	34025	34207	34025
60°	33452	33601	33304
65°	32624	32239	31888
70°	31069	30376	30288
75°	28671	27295	27411
80°	24528	22991	23419
85°	18217	17883	16685



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.2	3.2
10°-20°	890.9	9.1
20°-30°	1363.9	14.0
30°-40°	1668.4	17.1
40°-50°	1764.7	18.1
50°-60°	1626.0	16.7
60°-70°	1251.4	12.8
70°-80°	703.1	7.2
80°-90°	175.4	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°	2564.0	26.3
0°-40°	4232.4	43.4
0°-60°	7623.1	78.2
0°-90°	9753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9753.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3258	3258	3258	3258	3258	
5°	3272	3262	3226	3255	3246	311
15°	3173	3164	3134	3162	3152	896
25°	2967	2964	2944	2964	2949	1369
35°	2674	2669	2657	2669	2661	1673
45°	2286	2293	2290	2285	2286	1763
55°	1813	1830	1823	1817	1813	1624
65°	1281	1284	1266	1248	1252	1264
75°	689	678	656	647	659	726
85°	148	145	145	141	135	182
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3258.1	3258.1	3258.1	3258.1	3258.1
2.5°	3285.7	3267.8	3231.9	3263.7	3255.4
5°	3271.9	3262.3	3226.4	3255.4	3245.7
7.5°	3258.1	3247.1	3212.6	3244.4	3230.6
10°	3236.1	3226.4	3192.0	3222.3	3209.9
12.5°	3207.1	3198.9	3167.1	3196.1	3183.7
15°	3172.7	3164.4	3134.1	3161.6	3152.0
17.5°	3131.3	3121.6	3092.7	3121.6	3114.7
20°	3080.3	3074.8	3048.6	3074.8	3070.6
22.5°	3027.9	3021.0	3000.3	3019.6	3021.0
25°	2967.2	2964.5	2943.8	2964.5	2949.3
27.5°	2903.8	2903.8	2883.1	2896.9	2887.2
30°	2833.5	2832.1	2815.5	2822.4	2818.3
32.5°	2757.6	2756.3	2734.2	2752.1	2745.2
35°	2673.5	2669.4	2657.0	2669.4	2661.1
37.5°	2586.7	2582.5	2572.9	2579.8	2578.4
40°	2490.1	2490.1	2484.6	2490.1	2486.0
42.5°	2390.9	2395.0	2388.1	2393.6	2393.6
45°	2286.1	2293.0	2290.2	2284.7	2286.1
47.5°	2174.4	2186.8	2179.9	2178.5	2171.6
50°	2064.1	2075.1	2068.2	2061.3	2057.2
52.5°	1949.6	1955.2	1946.9	1944.1	1934.5
55°	1813.1	1829.7	1822.8	1817.3	1813.1
57.5°	1687.7	1700.1	1694.6	1683.5	1676.6
60°	1553.9	1563.6	1560.8	1548.4	1547.0
62.5°	1422.9	1425.7	1422.9	1400.9	1402.3
65°	1280.9	1283.7	1265.8	1247.8	1252.0
67.5°	1132.0	1140.3	1115.5	1089.3	1107.2
70°	987.2	984.5	965.2	936.2	962.4
72.5°	838.3	835.6	813.5	792.8	810.7
75°	689.4	678.4	656.3	646.7	659.1
77.5°	535.0	522.6	512.9	506.0	511.5
80°	395.7	379.2	370.9	365.4	377.8
82.5°	263.4	250.9	246.8	250.9	248.2
85°	147.5	144.8	144.8	140.6	135.1
87.5°	60.7	63.4	64.8	63.4	60.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)