

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: P566036

Luminaire Tested: **4SNX-104HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566036
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-L940-CD
Description: 4FT 10400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

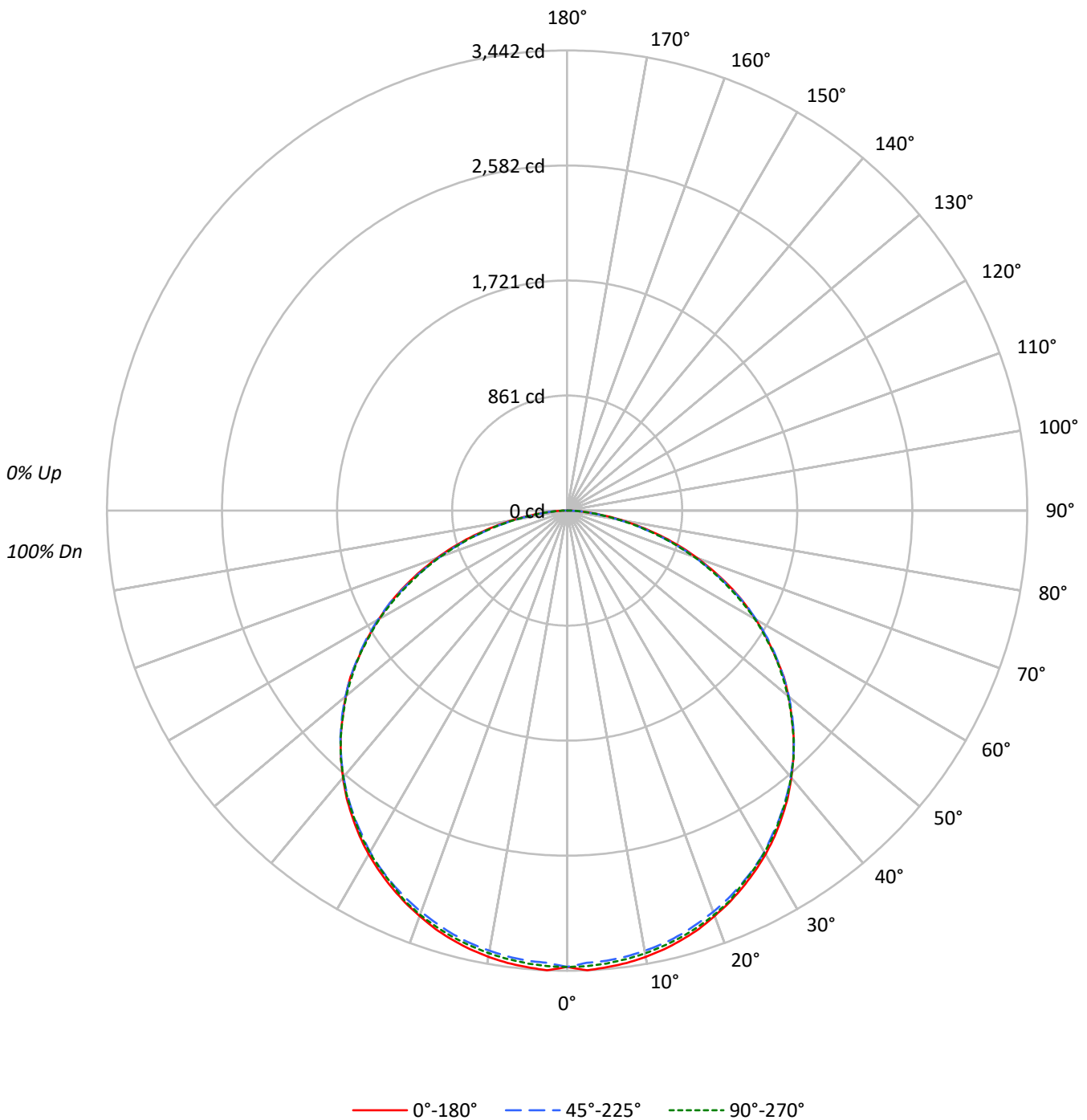
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10217.0 lumens
Efficiency: N/A
Efficacy: 135.3 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 (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°	36739	36739	36739
5°	37035	36520	36739
10°	37053	36548	36753
15°	37037	36587	36795
20°	36962	36582	36846
25°	36917	36625	36694
30°	36893	36660	36696
35°	36802	36575	36631
40°	36654	36573	36594
45°	36455	36522	36455
50°	36209	36281	36089
55°	35645	35834	35645
60°	35045	35200	34888
65°	34178	33773	33403
70°	32548	31821	31730
75°	30035	28592	28713
80°	25694	24082	24534
85°	19093	18735	17488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.9	3.2
10°-20°	933.3	9.1
20°-30°	1428.8	14.0
30°-40°	1747.8	17.1
40°-50°	1848.6	18.1
50°-60°	1703.3	16.7
60°-70°	1311.0	12.8
70°-80°	736.5	7.2
80°-90°	183.7	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°	2686.0	26.3
0°-40°	4433.8	43.4
0°-60°	7985.7	78.2
0°-90°	10217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3413	3413	3413	3413	3413	
5°	3428	3418	3380	3410	3400	326
15°	3324	3315	3283	3312	3302	938
25°	3108	3106	3084	3106	3090	1434
35°	2801	2796	2783	2796	2788	1753
45°	2395	2402	2399	2393	2395	1847
55°	1899	1917	1910	1904	1899	1701
65°	1342	1345	1326	1307	1312	1324
75°	722	711	688	677	690	761
85°	155	152	152	147	142	191
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3413.2	3413.2	3413.2	3413.2	3413.2
2.5°	3442.0	3423.3	3385.7	3418.9	3410.3
5°	3427.6	3417.5	3379.9	3410.3	3400.2
7.5°	3413.2	3401.6	3365.5	3398.7	3384.3
10°	3390.0	3379.9	3343.8	3375.6	3362.6
12.5°	3359.7	3351.0	3317.8	3348.2	3335.2
15°	3323.6	3314.9	3283.2	3312.0	3301.9
17.5°	3280.3	3270.2	3239.8	3270.2	3262.9
20°	3226.8	3221.0	3193.6	3221.0	3216.7
22.5°	3171.9	3164.7	3143.0	3163.3	3164.7
25°	3108.4	3105.5	3083.8	3105.5	3089.6
27.5°	3041.9	3041.9	3020.3	3034.7	3024.6
30°	2968.3	2966.8	2949.5	2956.7	2952.4
32.5°	2888.8	2887.4	2864.3	2883.1	2875.8
35°	2800.7	2796.4	2783.4	2796.4	2787.7
37.5°	2709.7	2705.4	2695.3	2702.5	2701.1
40°	2608.6	2608.6	2602.8	2608.6	2604.3
42.5°	2504.6	2508.9	2501.7	2507.5	2507.5
45°	2394.8	2402.1	2399.2	2393.4	2394.8
47.5°	2277.8	2290.8	2283.6	2282.2	2275.0
50°	2162.3	2173.8	2166.6	2159.4	2155.1
52.5°	2042.4	2048.2	2039.5	2036.6	2026.5
55°	1899.4	1916.7	1909.5	1903.7	1899.4
57.5°	1768.0	1781.0	1775.2	1763.6	1756.4
60°	1627.9	1638.0	1635.1	1622.1	1620.6
62.5°	1490.6	1493.5	1490.6	1467.5	1469.0
65°	1341.9	1344.7	1326.0	1307.2	1311.5
67.5°	1185.9	1194.5	1168.5	1141.1	1159.9
70°	1034.2	1031.3	1011.1	980.8	1008.2
72.5°	878.2	875.3	852.2	830.5	849.3
75°	722.2	710.7	687.5	677.4	690.4
77.5°	560.4	547.4	537.3	530.1	535.9
80°	414.5	397.2	388.5	382.8	395.8
82.5°	275.9	262.9	258.6	262.9	260.0
85°	154.6	151.7	151.7	147.3	141.6
87.5°	63.6	66.4	67.9	66.4	63.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)