

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: P566037

Luminaire Tested: **4SNX-104HL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566037  
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-L950-CD  
Description: 4FT 10400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

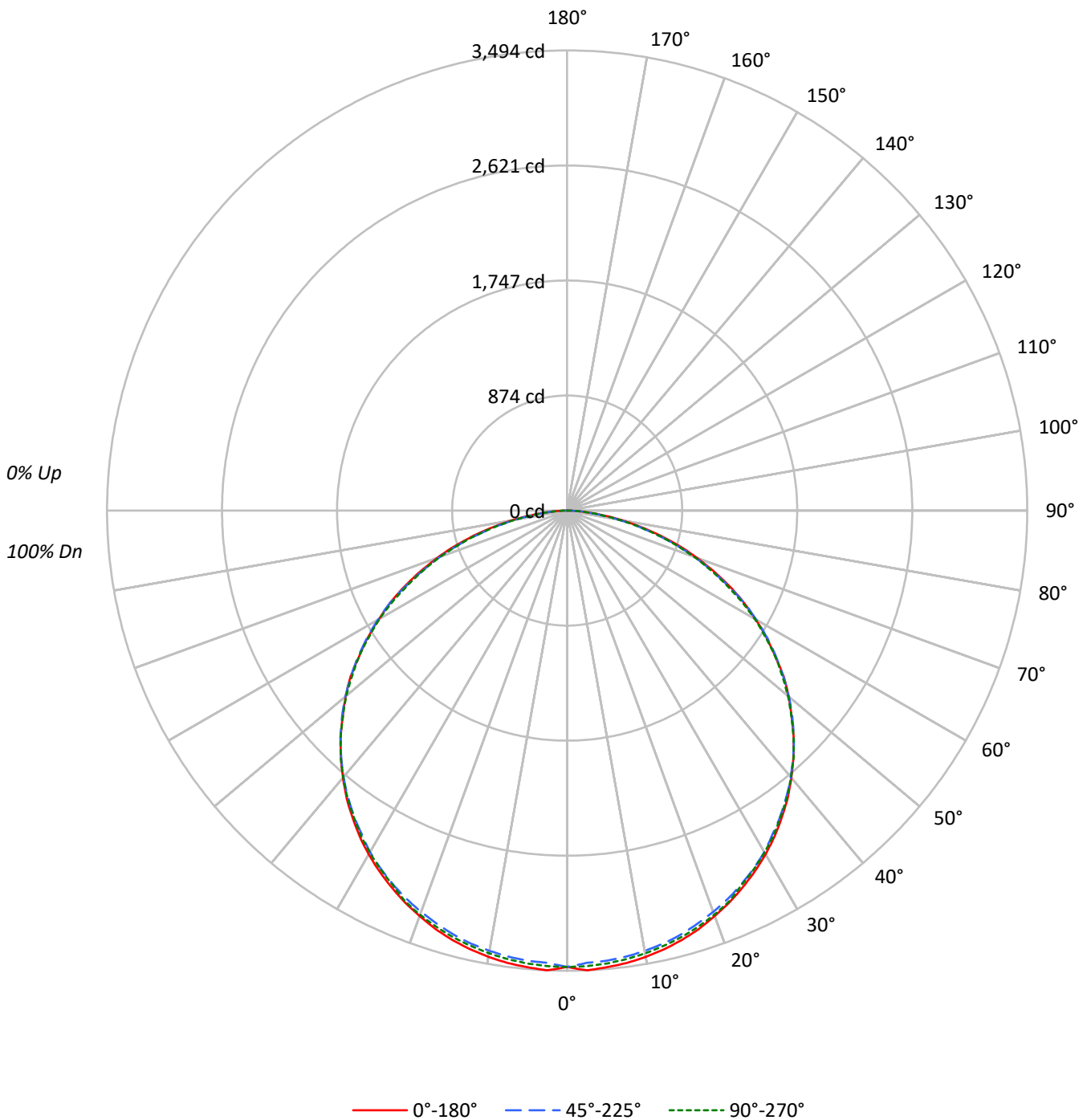
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10372.0 lumens  
Efficiency: N/A  
Efficacy: 137.4 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	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°	37296	37296	37296
5°	37597	37074	37296
10°	37615	37102	37311
15°	37599	37142	37353
20°	37523	37136	37405
25°	37477	37181	37251
30°	37453	37215	37252
35°	37361	37129	37187
40°	37211	37128	37149
45°	37009	37076	37009
50°	36758	36832	36636
55°	36185	36378	36185
60°	35577	35734	35418
65°	34695	34285	33910
70°	33042	32302	32211
75°	30493	29029	29149
80°	26084	24448	24906
85°	19377	19019	17747



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.8	3.2
10°-20°	947.5	9.1
20°-30°	1450.5	14.0
30°-40°	1774.3	17.1
40°-50°	1876.7	18.1
50°-60°	1729.2	16.7
60°-70°	1330.9	12.8
70°-80°	747.7	7.2
80°-90°	186.5	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°	2726.7	26.3
0°-40°	4501.1	43.4
0°-60°	8106.9	78.2
0°-90°	10372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10372.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3465	3465	3465	3465	3465	
5°	3480	3469	3431	3462	3452	331
15°	3374	3365	3333	3362	3352	952
25°	3156	3153	3131	3153	3136	1455
35°	2843	2839	2826	2839	2830	1779
45°	2431	2438	2436	2430	2431	1875
55°	1928	1946	1938	1933	1928	1727
65°	1362	1365	1346	1327	1331	1344
75°	733	721	698	688	701	772
85°	157	154	154	150	144	194
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3464.9	3464.9	3464.9	3464.9	3464.9
2.5°	3494.3	3475.2	3437.1	3470.8	3462.0
5°	3479.6	3469.3	3431.2	3462.0	3451.7
7.5°	3464.9	3453.2	3416.5	3450.3	3435.6
10°	3441.5	3431.2	3394.5	3426.8	3413.6
12.5°	3410.7	3401.9	3368.2	3398.9	3385.8
15°	3374.0	3365.2	3333.0	3362.3	3352.0
17.5°	3330.0	3319.8	3289.0	3319.8	3312.4
20°	3275.8	3269.9	3242.0	3269.9	3265.5
22.5°	3220.1	3212.7	3190.7	3211.3	3212.7
25°	3155.5	3152.6	3130.6	3152.6	3136.5
27.5°	3088.1	3088.1	3066.1	3080.8	3070.5
30°	3013.3	3011.8	2994.2	3001.6	2997.2
32.5°	2932.7	2931.2	2907.7	2926.8	2919.5
35°	2843.2	2838.8	2825.6	2838.8	2830.0
37.5°	2750.8	2746.4	2736.2	2743.5	2742.0
40°	2648.2	2648.2	2642.3	2648.2	2643.8
42.5°	2542.6	2547.0	2539.7	2545.5	2545.5
45°	2431.2	2438.5	2435.6	2429.7	2431.2
47.5°	2312.4	2325.6	2318.3	2316.8	2309.5
50°	2195.1	2206.8	2199.5	2192.2	2187.8
52.5°	2073.4	2079.3	2070.5	2067.5	2057.3
55°	1928.2	1945.8	1938.5	1932.6	1928.2
57.5°	1794.8	1808.0	1802.1	1790.4	1783.1
60°	1652.6	1662.8	1659.9	1646.7	1645.2
62.5°	1513.2	1516.2	1513.2	1489.8	1491.3
65°	1362.2	1365.2	1346.1	1327.0	1331.4
67.5°	1203.9	1212.7	1186.3	1158.4	1177.5
70°	1049.9	1047.0	1026.4	995.6	1023.5
72.5°	891.5	888.6	865.1	843.1	862.2
75°	733.2	721.4	698.0	687.7	700.9
77.5°	568.9	555.7	545.5	538.1	544.0
80°	420.8	403.2	394.4	388.6	401.8
82.5°	280.1	266.9	262.5	266.9	263.9
85°	156.9	154.0	154.0	149.6	143.7
87.5°	64.5	67.5	68.9	67.5	64.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)