

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: P568012

Luminaire Tested: **8SNX-74SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-74SL-UNV-L840-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

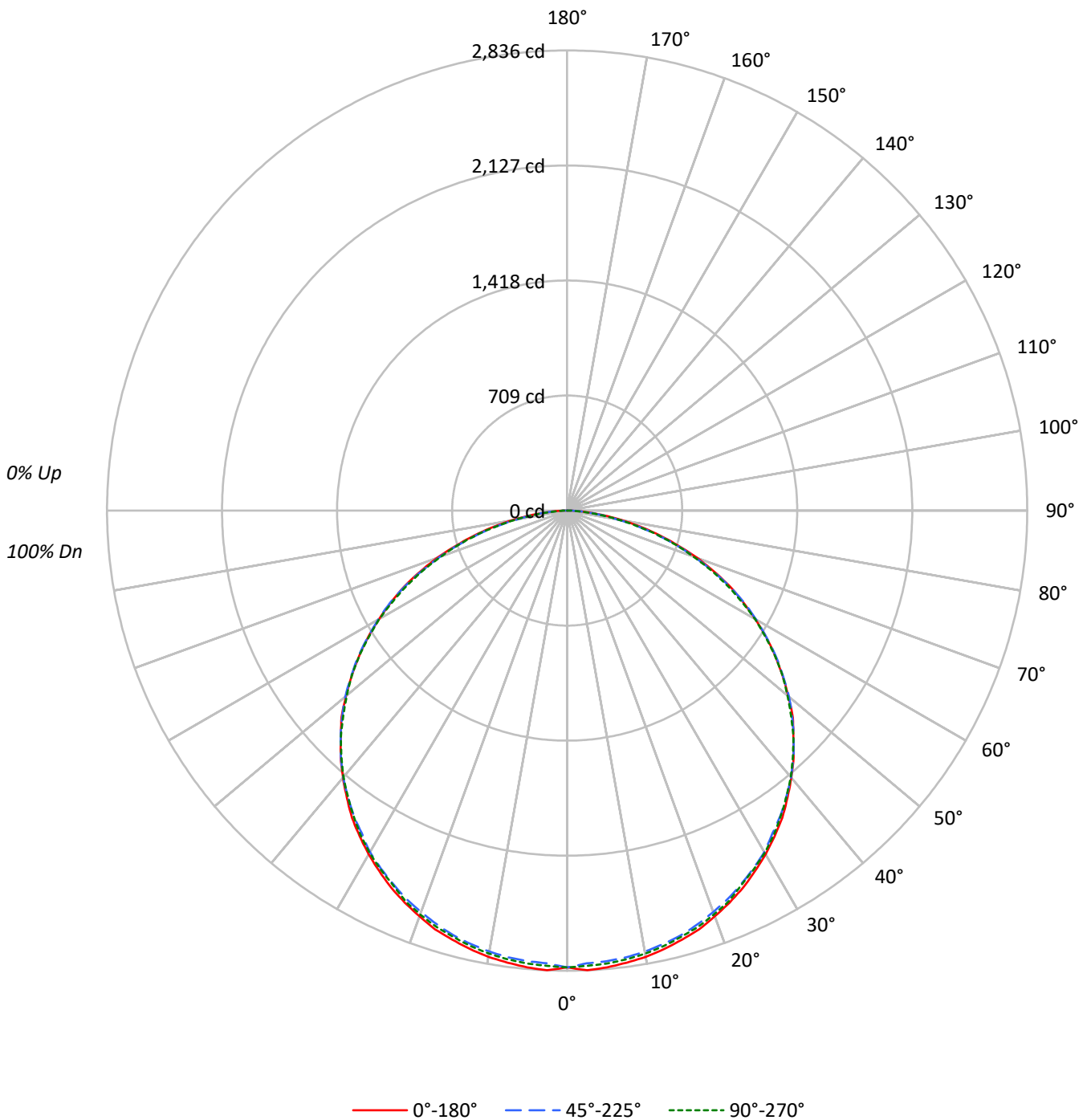
Lumens per Lamp: N/A  
Luminaire Lumens: 8418.0 lumens  
Efficiency: N/A  
Efficacy: 175.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 48  
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°	15152	15152	15152
5°	15265	15060	15142
10°	15262	15082	15151
15°	15249	15095	15151
20°	15241	15081	15168
25°	15230	15080	15110
30°	15199	15105	15136
35°	15188	15071	15088
40°	15102	15084	15066
45°	15012	15031	15012
50°	14903	14945	14839
55°	14705	14753	14682
60°	14416	14471	14389
65°	14122	14025	13833
70°	13426	13147	12988
75°	12267	11847	11898
80°	10594	9809	10045
85°	7972	7663	6879



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.1	3.2
10°-20°	769.6	9.1
20°-30°	1177.5	14.0
30°-40°	1439.8	17.1
40°-50°	1523.0	18.1
50°-60°	1403.3	16.7
60°-70°	1081.3	12.8
70°-80°	605.9	7.2
80°-90°	150.6	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°	2214.2	26.3
0°-40°	3654.0	43.4
0°-60°	6580.2	78.2
0°-90°	8418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8418.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2815	2815	2815	2815	2815	
5°	2826	2815	2788	2815	2803	269
15°	2737	2732	2709	2732	2719	773
25°	2565	2560	2539	2560	2544	1182
35°	2312	2306	2294	2301	2296	1444
45°	1972	1980	1975	1972	1972	1524
55°	1567	1580	1572	1572	1565	1399
65°	1109	1109	1101	1074	1086	1091
75°	590	582	570	549	572	625
85°	129	122	124	124	111	159
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2815.4	2815.4	2815.4	2815.4	2815.4
2.5°	2835.6	2823.0	2792.6	2820.5	2807.8
5°	2825.5	2815.4	2787.5	2815.4	2802.7
7.5°	2810.3	2802.7	2777.4	2802.7	2790.1
10°	2792.6	2785.0	2759.7	2785.0	2772.4
12.5°	2767.3	2762.2	2736.9	2762.2	2749.6
15°	2736.9	2731.8	2709.1	2731.8	2719.2
17.5°	2706.5	2696.4	2673.6	2698.9	2688.8
20°	2661.0	2655.9	2633.1	2655.9	2648.3
22.5°	2615.4	2610.3	2590.1	2610.3	2605.3
25°	2564.7	2559.7	2539.4	2559.7	2544.5
27.5°	2506.5	2509.0	2486.3	2498.9	2491.3
30°	2445.7	2445.7	2430.6	2435.6	2435.6
32.5°	2379.9	2379.9	2357.1	2372.3	2369.8
35°	2311.6	2306.5	2293.8	2301.4	2296.4
37.5°	2230.5	2228.0	2220.4	2225.5	2220.4
40°	2149.5	2152.1	2147.0	2144.5	2144.5
42.5°	2066.0	2071.0	2063.4	2060.9	2058.4
45°	1972.3	1979.9	1974.8	1972.3	1972.3
47.5°	1886.2	1888.7	1881.1	1878.6	1871.0
50°	1779.9	1790.0	1784.9	1779.9	1772.3
52.5°	1673.5	1688.7	1678.6	1673.5	1673.5
55°	1567.2	1579.9	1572.3	1572.3	1564.7
57.5°	1455.8	1468.5	1458.3	1458.3	1448.2
60°	1339.3	1352.0	1344.4	1336.8	1336.8
62.5°	1222.9	1233.0	1230.5	1217.8	1210.2
65°	1108.9	1108.9	1101.3	1073.5	1086.2
67.5°	979.8	977.3	967.2	939.3	957.0
70°	853.2	853.2	835.5	802.6	825.4
72.5°	716.5	724.1	701.3	678.5	701.3
75°	589.9	582.3	569.7	549.4	572.2
77.5°	468.4	455.7	440.5	430.4	443.1
80°	341.8	334.2	316.5	316.5	324.1
82.5°	232.9	225.3	212.7	215.2	205.1
85°	129.1	121.5	124.1	124.1	111.4
87.5°	53.2	53.2	53.2	48.1	43.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)