

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: P568014

Luminaire Tested: **8SNX-74SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568014
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-L930-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

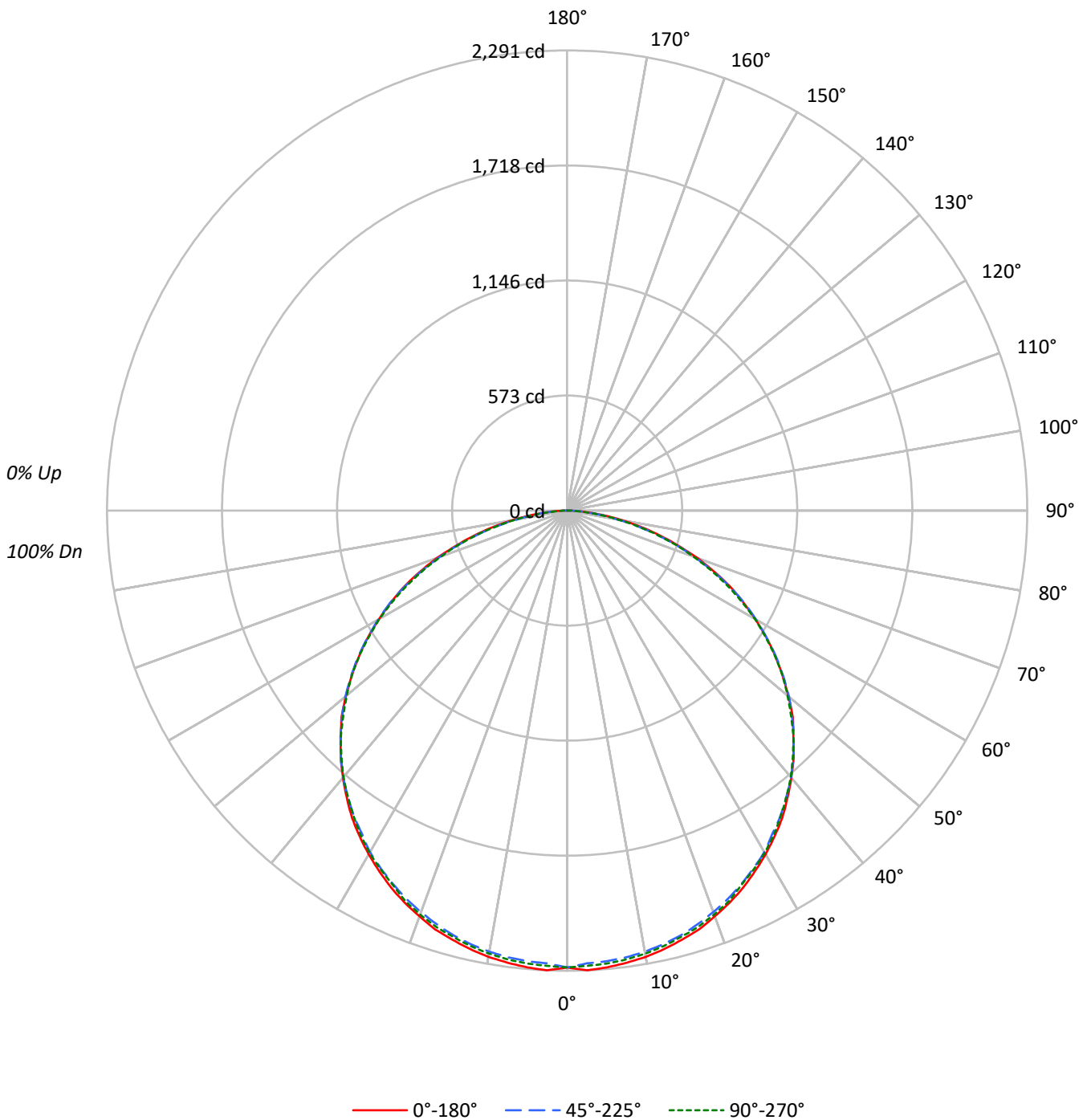
Lumens per Lamp: N/A
Luminaire Lumens: 6801.0 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	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°	12242	12242	12242
5°	12333	12167	12233
10°	12330	12185	12240
15°	12320	12195	12241
20°	12313	12184	12254
25°	12305	12183	12207
30°	12279	12204	12229
35°	12270	12176	12190
40°	12201	12187	12172
45°	12128	12144	12128
50°	12040	12074	11988
55°	11881	11919	11861
60°	11648	11692	11625
65°	11409	11331	11175
70°	10847	10622	10493
75°	9911	9570	9613
80°	8557	7925	8114
85°	6441	6187	5558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.8	3.2
10°-20°	621.8	9.1
20°-30°	951.3	14.0
30°-40°	1163.2	17.1
40°-50°	1230.4	18.1
50°-60°	1133.7	16.7
60°-70°	873.6	12.8
70°-80°	489.5	7.2
80°-90°	121.7	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°	1788.9	26.3
0°-40°	2952.1	43.4
0°-60°	5316.3	78.2
0°-90°	6801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2275	2275	2275	2275	2275	
5°	2283	2275	2252	2275	2264	217
15°	2211	2207	2189	2207	2197	625
25°	2072	2068	2052	2068	2056	955
35°	1868	1863	1853	1859	1855	1167
45°	1593	1600	1596	1593	1593	1231
55°	1266	1276	1270	1270	1264	1131
65°	896	896	890	867	878	881
75°	477	470	460	444	462	505
85°	104	98	100	100	90	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2274.6	2274.6	2274.6	2274.6	2274.6
2.5°	2291.0	2280.7	2256.2	2278.7	2268.5
5°	2282.8	2274.6	2252.1	2274.6	2264.4
7.5°	2270.5	2264.4	2243.9	2264.4	2254.1
10°	2256.2	2250.0	2229.6	2250.0	2239.8
12.5°	2235.7	2231.6	2211.2	2231.6	2221.4
15°	2211.2	2207.1	2188.7	2207.1	2196.9
17.5°	2186.6	2178.5	2160.0	2180.5	2172.3
20°	2149.8	2145.7	2127.3	2145.7	2139.6
22.5°	2113.0	2108.9	2092.5	2108.9	2104.8
25°	2072.1	2068.0	2051.6	2068.0	2055.7
27.5°	2025.0	2027.1	2008.7	2018.9	2012.8
30°	1975.9	1975.9	1963.7	1967.8	1967.8
32.5°	1922.8	1922.8	1904.4	1916.6	1914.6
35°	1867.5	1863.4	1853.2	1859.4	1855.3
37.5°	1802.1	1800.0	1793.9	1798.0	1793.9
40°	1736.6	1738.7	1734.6	1732.5	1732.5
42.5°	1669.1	1673.2	1667.1	1665.0	1663.0
45°	1593.4	1599.6	1595.5	1593.4	1593.4
47.5°	1523.9	1525.9	1519.8	1517.8	1511.6
50°	1438.0	1446.2	1442.1	1438.0	1431.8
52.5°	1352.1	1364.3	1356.2	1352.1	1352.1
55°	1266.2	1276.4	1270.3	1270.3	1264.1
57.5°	1176.2	1186.4	1178.2	1178.2	1170.0
60°	1082.1	1092.3	1086.2	1080.0	1080.0
62.5°	988.0	996.2	994.1	983.9	977.7
65°	895.9	895.9	889.8	867.3	877.5
67.5°	791.6	789.6	781.4	758.9	773.2
70°	689.3	689.3	675.0	648.4	666.8
72.5°	578.9	585.0	566.6	548.2	566.6
75°	476.6	470.5	460.2	443.9	462.3
77.5°	378.4	368.2	355.9	347.7	358.0
80°	276.1	270.0	255.7	255.7	261.8
82.5°	188.2	182.0	171.8	173.9	165.7
85°	104.3	98.2	100.2	100.2	90.0
87.5°	43.0	43.0	43.0	38.9	34.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)