

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: P568002

Luminaire Tested: **8SNX-74SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-SLW-UNV-L830-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

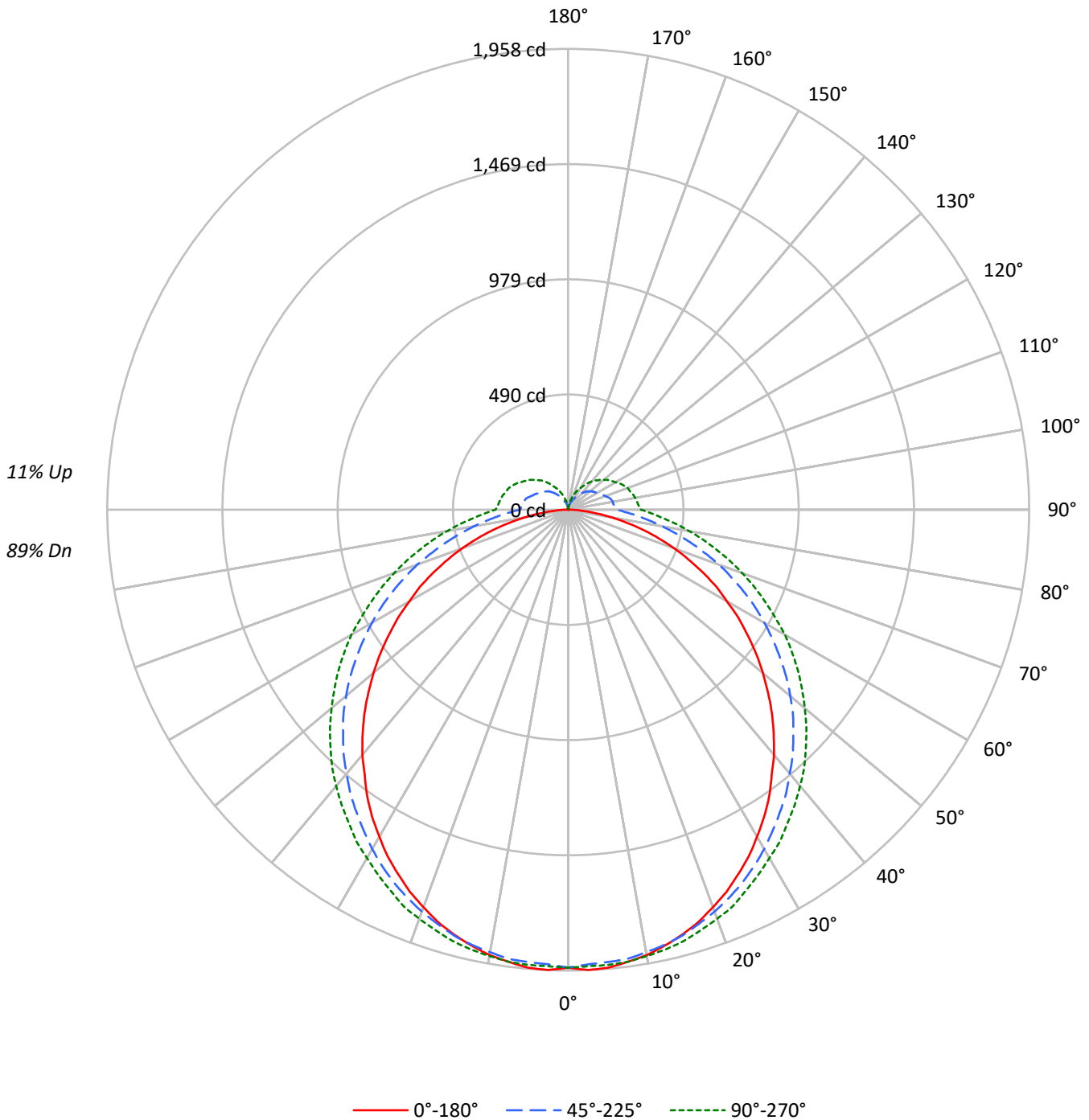
Lumens per Lamp: N/A
Luminaire Lumens: 6926.0 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10471	10471	10471
5°	10545	10208	10193
10°	10482	10008	9941
15°	10387	9802	9708
20°	10254	9565	9450
25°	10099	9333	9179
30°	9912	9077	8912
35°	9707	8812	8661
40°	9472	8550	8420
45°	9217	8283	8160
50°	8925	8002	7869
55°	8604	7663	7583
60°	8229	7301	7265
65°	7846	6893	6863
70°	7304	6444	6470
75°	6584	5872	6035
80°	5401	5292	5607
85°	3986	4800	5166



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	2.7
10°-20°	531.1	7.7
20°-30°	807.6	11.7
30°-40°	980.4	14.2
40°-50°	1036.0	15.0
50°-60°	969.4	14.0
60°-70°	795.4	11.5
70°-80°	547.1	7.9
80°-90°	299.6	4.3
90°-100°	192.9	2.8
100°-110°	173.1	2.5
110°-120°	143.3	2.1
120°-130°	110.3	1.6
130°-140°	77.5	1.1
140°-150°	46.7	0.7
150°-160°	22.4	0.3
160°-170°	7.3	0.1
170°-180°	0.9	0.0
0°-30°	1523.6	22.0
0°-40°	2503.9	36.2
0°-60°	4509.3	65.1
0°-90°	6151.5	88.8
90°-120°	509.4	7.4
90°-150°	743.9	10.7
90°-180°	775.0	11.2
0°-180°	6926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1946	1946	1946	1946	1946	
5°	1954	1950	1930	1946	1942	185
15°	1869	1877	1873	1897	1897	527
25°	1709	1729	1749	1785	1785	787
35°	1488	1524	1568	1613	1625	930
45°	1224	1280	1352	1412	1428	943
55°	931	1007	1099	1167	1191	833
65°	630	714	822	899	923	624
75°	329	417	538	622	650	346
85°	72	172	293	373	401	83
90°	0	96	205	281	309	5
95°	0	92	197	269	297	0
105°	0	76	184	253	277	3
115°	4	68	156	225	253	4
125°	4	56	132	192	217	4
135°	4	44	108	156	176	3
145°	4	32	76	120	132	3
155°	4	20	48	76	88	2
165°	4	12	24	36	44	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1945.5	1945.5	1945.5	1945.5	1945.5
2.5°	1957.6	1953.6	1933.5	1949.5	1941.5
5°	1953.6	1949.5	1929.5	1945.5	1941.5
7.5°	1937.5	1937.5	1925.5	1941.5	1937.5
10°	1921.5	1921.5	1909.4	1929.5	1925.5
12.5°	1897.4	1901.4	1893.4	1917.4	1913.4
15°	1869.3	1877.3	1873.3	1897.4	1897.4
17.5°	1837.2	1845.2	1845.2	1873.3	1873.3
20°	1797.1	1809.1	1817.2	1849.3	1849.3
22.5°	1757.0	1773.0	1785.1	1813.2	1825.2
25°	1708.9	1728.9	1749.0	1785.1	1785.1
27.5°	1660.7	1684.8	1708.9	1745.0	1749.0
30°	1604.6	1632.6	1664.7	1700.8	1708.9
32.5°	1548.4	1584.5	1616.6	1660.7	1672.8
35°	1488.2	1524.3	1568.5	1612.6	1624.6
37.5°	1420.0	1464.2	1520.3	1568.5	1580.5
40°	1359.9	1408.0	1464.2	1520.3	1532.4
42.5°	1291.7	1343.8	1412.0	1464.2	1484.2
45°	1223.5	1279.6	1351.8	1412.0	1428.1
47.5°	1151.3	1215.5	1295.7	1351.8	1371.9
50°	1079.1	1147.3	1231.5	1295.7	1311.7
52.5°	1006.9	1079.1	1167.3	1231.5	1251.6
55°	930.6	1006.9	1099.1	1167.3	1191.4
57.5°	858.4	934.7	1030.9	1103.1	1127.2
60°	778.2	866.5	962.7	1034.9	1063.0
62.5°	710.0	790.2	894.5	966.7	990.8
65°	629.8	714.0	822.3	898.6	922.6
67.5°	553.6	641.8	750.1	830.4	854.4
70°	477.4	565.6	681.9	758.2	786.2
72.5°	401.1	493.4	605.7	690.0	718.0
75°	328.9	417.2	537.5	621.8	649.8
77.5°	252.7	349.0	469.3	553.6	585.7
80°	184.5	284.8	405.2	489.4	521.5
82.5°	124.4	224.6	345.0	429.2	461.3
85°	72.2	172.5	292.8	373.1	401.1
87.5°	36.1	132.4	244.7	324.9	353.0
90°	0.0	96.3	204.6	280.8	308.9
92.5°	0.0	92.3	200.6	272.8	300.9
95°	0.0	92.3	196.6	268.8	296.8
97.5°	0.0	88.3	192.5	268.8	292.8
100°	0.0	84.2	192.5	264.8	288.8
102.5°	0.0	80.2	188.5	260.7	284.8
105°	0.0	76.2	184.5	252.7	276.8
107.5°	4.0	76.2	176.5	248.7	272.8
110°	4.0	72.2	168.5	244.7	268.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.0	68.2	160.5	236.7	260.7
115°	4.0	68.2	156.4	224.6	252.7
117.5°	4.0	64.2	148.4	216.6	244.7
120°	4.0	64.2	144.4	208.6	232.7
122.5°	4.0	60.2	136.4	200.6	224.6
125°	4.0	56.2	132.4	192.5	216.6
127.5°	4.0	52.1	128.4	184.5	208.6
130°	4.0	48.1	120.3	176.5	196.6
132.5°	4.0	48.1	116.3	164.5	188.5
135°	4.0	44.1	108.3	156.4	176.5
137.5°	4.0	40.1	100.3	148.4	168.5
140°	4.0	36.1	92.3	140.4	156.4
142.5°	4.0	36.1	84.2	128.4	144.4
145°	4.0	32.1	76.2	120.3	132.4
147.5°	4.0	28.1	68.2	108.3	120.3
150°	4.0	28.1	60.2	96.3	108.3
152.5°	4.0	24.1	52.1	88.3	100.3
155°	4.0	20.1	48.1	76.2	88.3
157.5°	4.0	20.1	40.1	64.2	76.2
160°	4.0	16.0	36.1	52.1	64.2
162.5°	4.0	16.0	32.1	44.1	56.2
165°	4.0	12.0	24.1	36.1	44.1
167.5°	4.0	12.0	20.1	28.1	36.1
170°	4.0	8.0	16.0	20.1	28.1
172.5°	4.0	8.0	12.0	12.0	12.0
175°	4.0	4.0	8.0	8.0	4.0
177.5°	4.0	4.0	4.0	4.0	4.0
180°	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)