

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: P567977

Luminaire Tested: **8SNX-74SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-FDL-UNV-L950-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

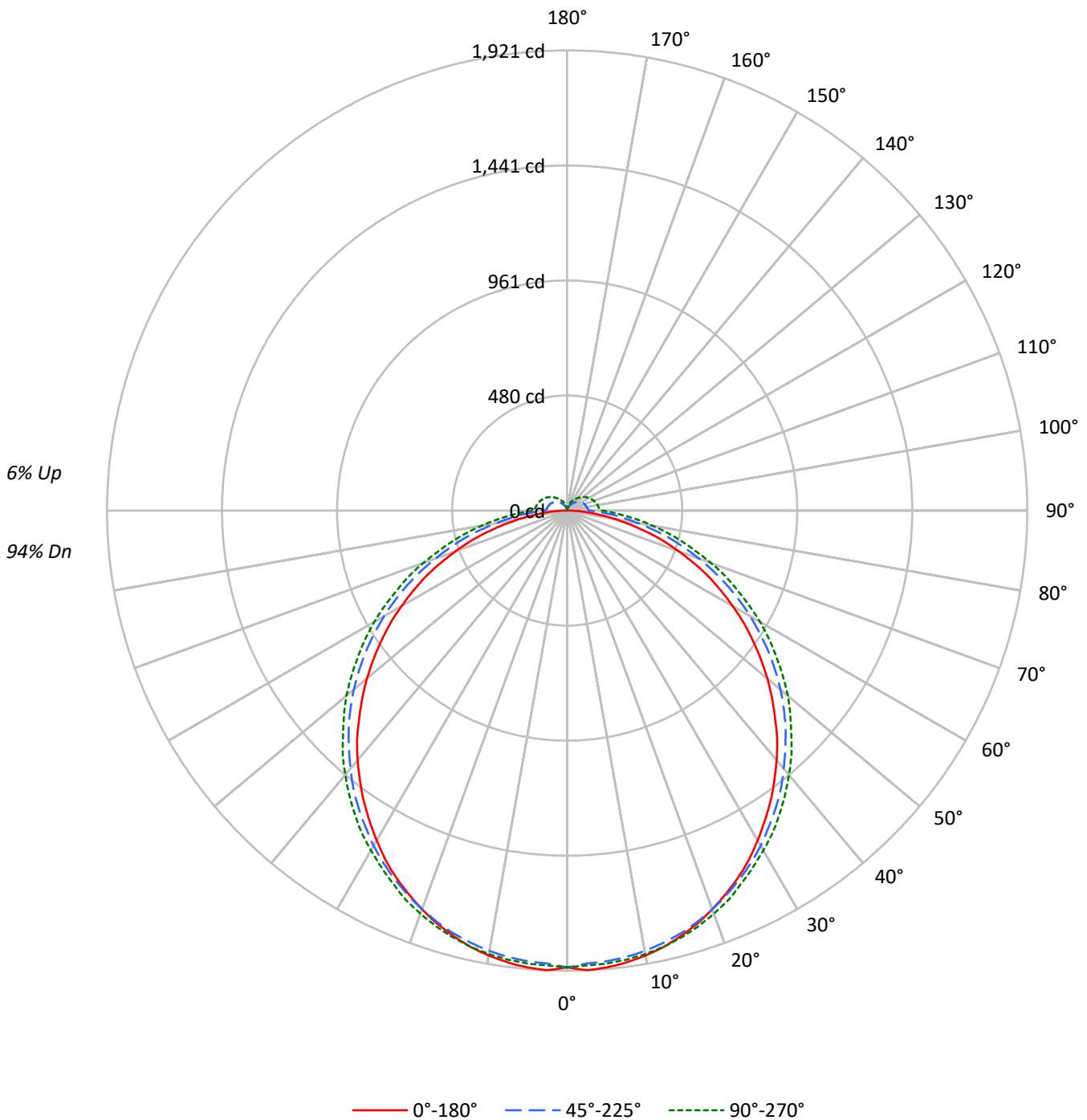
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6059.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10262	10262	10262
5°	10337	10095	10107
10°	10299	9989	9980
15°	10227	9866	9837
20°	10127	9716	9670
25°	10011	9551	9471
30°	9852	9384	9288
35°	9693	9186	9097
40°	9517	8968	8882
45°	9294	8752	8631
50°	9080	8506	8402
55°	8815	8202	8083
60°	8516	7852	7771
65°	8203	7436	7338
70°	7658	6911	6890
75°	7003	6293	6355
80°	6039	5473	5761
85°	4878	4769	5063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	3.0
10°-20°	518.9	8.6
20°-30°	786.3	13.0
30°-40°	949.2	15.7
40°-50°	991.2	16.4
50°-60°	910.7	15.0
60°-70°	720.1	11.9
70°-80°	455.7	7.5
80°-90°	195.9	3.2
90°-100°	86.2	1.4
100°-110°	77.2	1.3
110°-120°	65.2	1.1
120°-130°	50.8	0.8
130°-140°	35.2	0.6
140°-150°	21.1	0.3
150°-160°	10.3	0.2
160°-170°	3.6	0.1
170°-180°	0.5	0.0
0°-30°	1486.0	24.5
0°-40°	2435.3	40.2
0°-60°	4337.2	71.6
0°-90°	5708.9	94.2
90°-120°	228.6	3.8
90°-150°	335.7	5.5
90°-180°	350.0	5.8
0°-180°	6059.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1907	1907	1907	1907	1907	
5°	1914	1909	1888	1904	1898	182
15°	1838	1838	1828	1848	1844	519
25°	1690	1697	1700	1722	1719	778
35°	1481	1498	1517	1541	1546	926
45°	1228	1258	1290	1314	1323	948
55°	946	985	1026	1059	1066	847
65°	651	688	736	770	782	641
75°	343	384	440	478	496	364
85°	84	129	184	224	238	92
90°	5	46	94	132	146	7
95°	1	40	86	120	133	1
105°	1	36	80	113	124	1
115°	1	31	73	102	113	1
125°	2	28	61	88	98	2
135°	2	22	49	70	78	2
145°	2	16	34	53	58	1
155°	2	11	22	33	40	1
165°	3	8	12	16	22	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1906.7	1906.7	1906.7	1906.7	1906.7
2.5°	1920.6	1914.2	1892.7	1907.7	1900.2
5°	1914.2	1908.8	1888.4	1904.5	1898.1
7.5°	1902.4	1898.1	1879.8	1897.0	1890.6
10°	1886.3	1883.0	1867.0	1884.1	1879.8
12.5°	1865.9	1864.8	1848.7	1868.0	1864.8
15°	1838.0	1838.0	1828.3	1847.6	1844.4
17.5°	1807.9	1809.0	1801.5	1821.9	1819.7
20°	1771.5	1776.8	1771.5	1792.9	1790.8
22.5°	1731.8	1739.3	1737.1	1758.6	1759.7
25°	1689.9	1697.4	1699.6	1722.1	1718.9
27.5°	1643.8	1655.6	1659.9	1680.3	1679.2
30°	1590.1	1606.2	1615.9	1633.0	1638.4
32.5°	1535.4	1554.7	1566.5	1590.1	1596.6
35°	1480.7	1497.9	1517.2	1540.8	1546.1
37.5°	1420.6	1439.9	1465.7	1488.2	1494.6
40°	1360.5	1382.0	1406.7	1431.3	1441.0
42.5°	1298.3	1320.8	1347.6	1376.6	1386.3
45°	1227.5	1257.5	1289.7	1314.4	1323.0
47.5°	1159.9	1193.1	1227.5	1254.3	1263.9
50°	1091.2	1126.6	1163.1	1187.8	1202.8
52.5°	1019.3	1057.9	1094.4	1125.5	1135.2
55°	946.4	985.0	1025.8	1059.0	1066.5
57.5°	875.5	913.1	953.9	985.0	1000.0
60°	798.3	839.1	883.0	914.2	930.3
62.5°	723.2	762.9	810.1	843.3	856.2
65°	651.3	687.8	736.1	770.4	782.2
67.5°	571.9	613.7	659.9	699.6	714.6
70°	493.6	533.3	585.8	623.4	638.4
72.5°	420.6	459.2	511.8	549.4	563.3
75°	343.3	384.1	439.9	477.5	495.7
77.5°	269.3	314.4	368.0	408.8	429.2
80°	200.6	240.3	298.3	343.3	361.6
82.5°	136.3	179.2	239.3	281.1	301.5
85°	83.7	128.8	184.5	224.2	238.2
87.5°	39.7	82.6	134.1	172.7	189.9
90°	5.4	46.1	94.4	132.0	145.9
92.5°	1.1	39.7	86.9	122.3	135.2
95°	1.1	39.7	85.8	120.2	133.0
97.5°	1.1	38.6	84.8	119.1	130.9
100°	1.1	37.6	83.7	117.0	129.8
102.5°	1.1	37.6	81.5	114.8	126.6
105°	1.1	36.5	80.5	112.7	124.5
107.5°	1.1	35.4	78.3	110.5	122.3
110°	1.1	33.3	77.3	107.3	119.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	32.2	75.1	105.2	115.9
115°	1.1	31.1	73.0	101.9	112.7
117.5°	1.1	30.0	69.7	98.7	109.4
120°	2.1	30.0	67.6	95.5	105.2
122.5°	2.1	29.0	64.4	91.2	100.9
125°	2.1	27.9	61.2	88.0	97.6
127.5°	2.1	26.8	57.9	83.7	92.3
130°	2.1	24.7	55.8	79.4	88.0
132.5°	2.1	23.6	52.6	74.0	82.6
135°	2.1	21.5	49.4	69.7	78.3
137.5°	2.1	20.4	46.1	65.5	73.0
140°	2.1	19.3	41.8	61.2	68.7
142.5°	2.1	17.2	38.6	56.9	63.3
145°	2.1	16.1	34.3	52.6	57.9
147.5°	2.1	13.9	31.1	48.3	53.6
150°	2.1	12.9	27.9	44.0	49.4
152.5°	2.1	11.8	24.7	38.6	44.0
155°	2.1	10.7	22.5	33.3	39.7
157.5°	2.1	9.7	19.3	29.0	35.4
160°	3.2	8.6	17.2	24.7	30.0
162.5°	3.2	7.5	13.9	20.4	26.8
165°	3.2	7.5	11.8	16.1	22.5
167.5°	3.2	6.4	9.7	12.9	18.2
170°	3.2	5.4	8.6	9.7	13.9
172.5°	3.2	4.3	6.4	6.4	7.5
175°	3.2	4.3	5.4	5.4	3.2
177.5°	3.2	3.2	3.2	3.2	2.1
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)