

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: P567997

Luminaire Tested: **8SNX-74SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567997
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-LW-UNV-L850-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

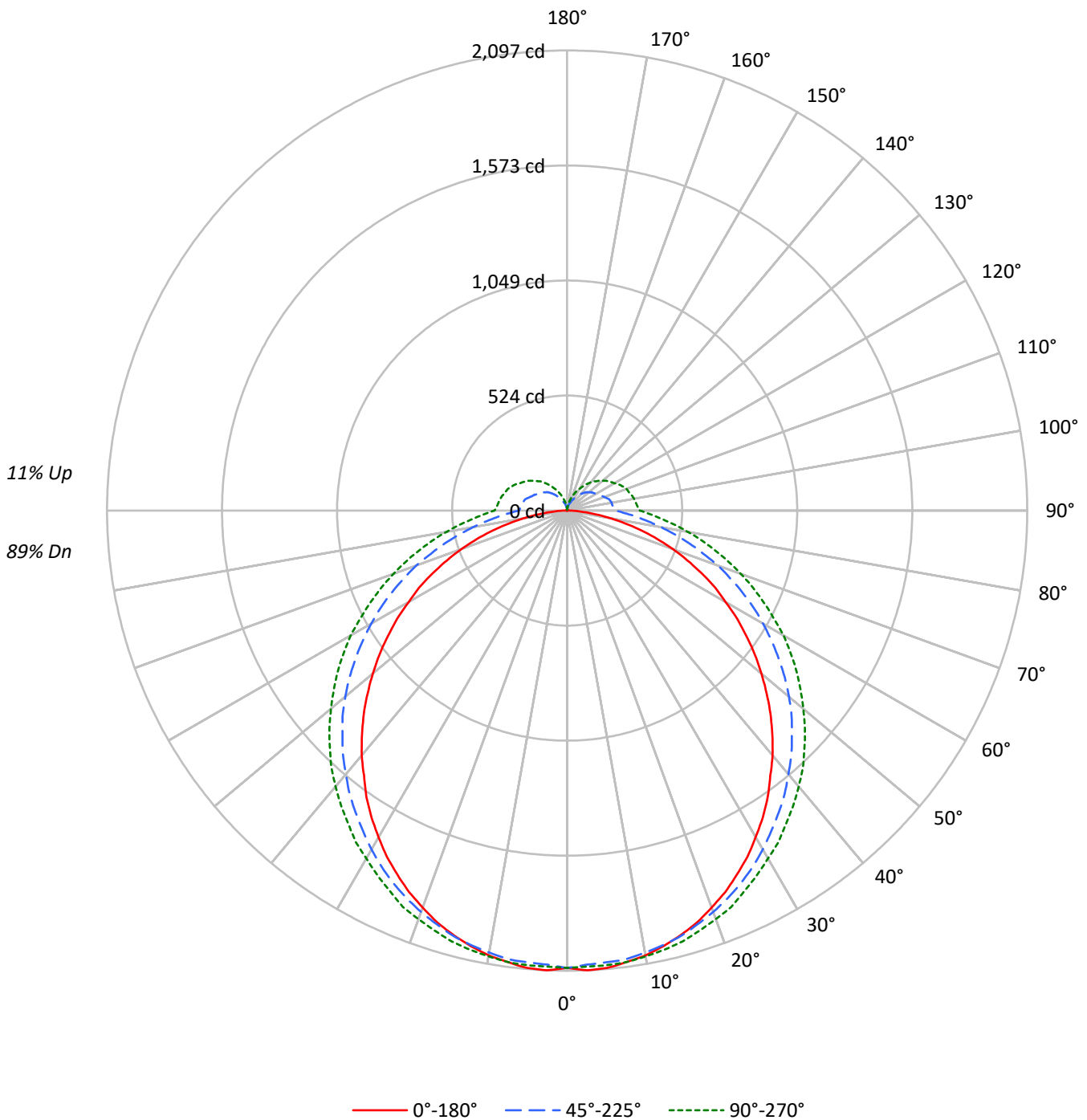
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7419.0 lumens
Efficiency: N/A
Efficacy: 154.6 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: 0.17')
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	76	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°	11216	11216	11216
5°	11285	10710	10616
10°	11207	10295	10086
15°	11095	9892	9608
20°	10942	9472	9130
25°	10766	9069	8662
30°	10555	8653	8214
35°	10324	8235	7795
40°	10058	7826	7395
45°	9772	7416	6986
50°	9444	6994	6556
55°	9084	6521	6134
60°	8660	6026	5688
65°	8223	5492	5180
70°	7610	4921	4680
75°	6797	4254	4150
80°	5480	3580	3621
85°	3855	2954	3078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	2.7
10°-20°	569.0	7.7
20°-30°	865.1	11.7
30°-40°	1050.2	14.2
40°-50°	1109.7	15.0
50°-60°	1038.4	14.0
60°-70°	852.0	11.5
70°-80°	586.0	7.9
80°-90°	320.9	4.3
90°-100°	206.7	2.8
100°-110°	185.4	2.5
110°-120°	153.5	2.1
120°-130°	118.2	1.6
130°-140°	83.1	1.1
140°-150°	50.0	0.7
150°-160°	24.0	0.3
160°-170°	7.9	0.1
170°-180°	0.9	0.0
0°-30°	1632.0	22.0
0°-40°	2682.2	36.2
0°-60°	4830.3	65.1
0°-90°	6589.3	88.8
90°-120°	545.6	7.4
90°-150°	796.9	10.7
90°-180°	830.0	11.2
0°-180°	7419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2084	2084	2084	2084	2084	
5°	2093	2088	2067	2084	2080	198
15°	2002	2011	2007	2032	2032	565
25°	1830	1852	1874	1912	1912	843
35°	1594	1633	1680	1727	1740	996
45°	1311	1371	1448	1512	1530	1010
55°	997	1078	1177	1250	1276	892
65°	675	765	881	962	988	668
75°	352	447	576	666	696	371
85°	77	185	314	400	430	89
90°	0	103	219	301	331	5
95°	0	99	210	288	318	0
105°	0	82	198	271	296	3
115°	4	73	168	241	271	4
125°	4	60	142	206	232	4
135°	4	47	116	168	189	3
145°	4	34	82	129	142	3
155°	4	22	52	82	94	2
165°	4	13	26	39	47	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2084.0	2084.0	2084.0	2084.0	2084.0
2.5°	2096.9	2092.6	2071.1	2088.3	2079.7
5°	2092.6	2088.3	2066.8	2084.0	2079.7
7.5°	2075.4	2075.4	2062.5	2079.7	2075.4
10°	2058.2	2058.2	2045.3	2066.8	2062.5
12.5°	2032.5	2036.7	2028.2	2053.9	2049.6
15°	2002.4	2011.0	2006.7	2032.5	2032.5
17.5°	1968.0	1976.6	1976.6	2006.7	2006.7
20°	1925.0	1937.9	1946.5	1980.9	1980.9
22.5°	1882.1	1899.2	1912.1	1942.2	1955.1
25°	1830.5	1852.0	1873.5	1912.1	1912.1
27.5°	1778.9	1804.7	1830.5	1869.2	1873.5
30°	1718.8	1748.9	1783.2	1821.9	1830.5
32.5°	1658.6	1697.3	1731.7	1778.9	1791.8
35°	1594.2	1632.8	1680.1	1727.4	1740.3
37.5°	1521.1	1568.4	1628.5	1680.1	1693.0
40°	1456.7	1508.2	1568.4	1628.5	1641.4
42.5°	1383.6	1439.5	1512.5	1568.4	1589.9
45°	1310.6	1370.7	1448.1	1512.5	1529.7
47.5°	1233.2	1302.0	1387.9	1448.1	1469.6
50°	1155.9	1228.9	1319.2	1387.9	1405.1
52.5°	1078.5	1155.9	1250.4	1319.2	1340.6
55°	996.9	1078.5	1177.4	1250.4	1276.2
57.5°	919.5	1001.2	1104.3	1181.7	1207.4
60°	833.6	928.1	1031.3	1108.6	1138.7
62.5°	760.6	846.5	958.2	1035.6	1061.3
65°	674.6	764.9	880.9	962.5	988.3
67.5°	593.0	687.5	803.5	889.5	915.2
70°	511.3	605.9	730.5	812.1	842.2
72.5°	429.7	528.5	648.8	739.1	769.2
75°	352.3	446.9	575.8	666.0	696.1
77.5°	270.7	373.8	502.7	593.0	627.4
80°	197.7	305.1	434.0	524.2	558.6
82.5°	133.2	240.6	369.5	459.8	494.1
85°	77.3	184.8	313.7	399.6	429.7
87.5°	38.7	141.8	262.1	348.1	378.1
90°	0.0	103.1	219.1	300.8	330.9
92.5°	0.0	98.8	214.8	292.2	322.3
95°	0.0	98.8	210.5	287.9	318.0
97.5°	0.0	94.5	206.3	287.9	313.7
100°	0.0	90.2	206.3	283.6	309.4
102.5°	0.0	85.9	202.0	279.3	305.1
105°	0.0	81.6	197.7	270.7	296.5
107.5°	4.3	81.6	189.1	266.4	292.2
110°	4.3	77.3	180.5	262.1	287.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.3	73.0	171.9	253.5	279.3
115°	4.3	73.0	167.6	240.6	270.7
117.5°	4.3	68.8	159.0	232.0	262.1
120°	4.3	68.8	154.7	223.4	249.2
122.5°	4.3	64.5	146.1	214.8	240.6
125°	4.3	60.2	141.8	206.3	232.0
127.5°	4.3	55.9	137.5	197.7	223.4
130°	4.3	51.6	128.9	189.1	210.5
132.5°	4.3	51.6	124.6	176.2	202.0
135°	4.3	47.3	116.0	167.6	189.1
137.5°	4.3	43.0	107.4	159.0	180.5
140°	4.3	38.7	98.8	150.4	167.6
142.5°	4.3	38.7	90.2	137.5	154.7
145°	4.3	34.4	81.6	128.9	141.8
147.5°	4.3	30.1	73.0	116.0	128.9
150°	4.3	30.1	64.5	103.1	116.0
152.5°	4.3	25.8	55.9	94.5	107.4
155°	4.3	21.5	51.6	81.6	94.5
157.5°	4.3	21.5	43.0	68.8	81.6
160°	4.3	17.2	38.7	55.9	68.8
162.5°	4.3	17.2	34.4	47.3	60.2
165°	4.3	12.9	25.8	38.7	47.3
167.5°	4.3	12.9	21.5	30.1	38.7
170°	4.3	8.6	17.2	21.5	30.1
172.5°	4.3	8.6	12.9	12.9	12.9
175°	4.3	4.3	8.6	8.6	4.3
177.5°	4.3	4.3	4.3	4.3	4.3
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)