

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: P567982

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-LC-UNV-L930-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

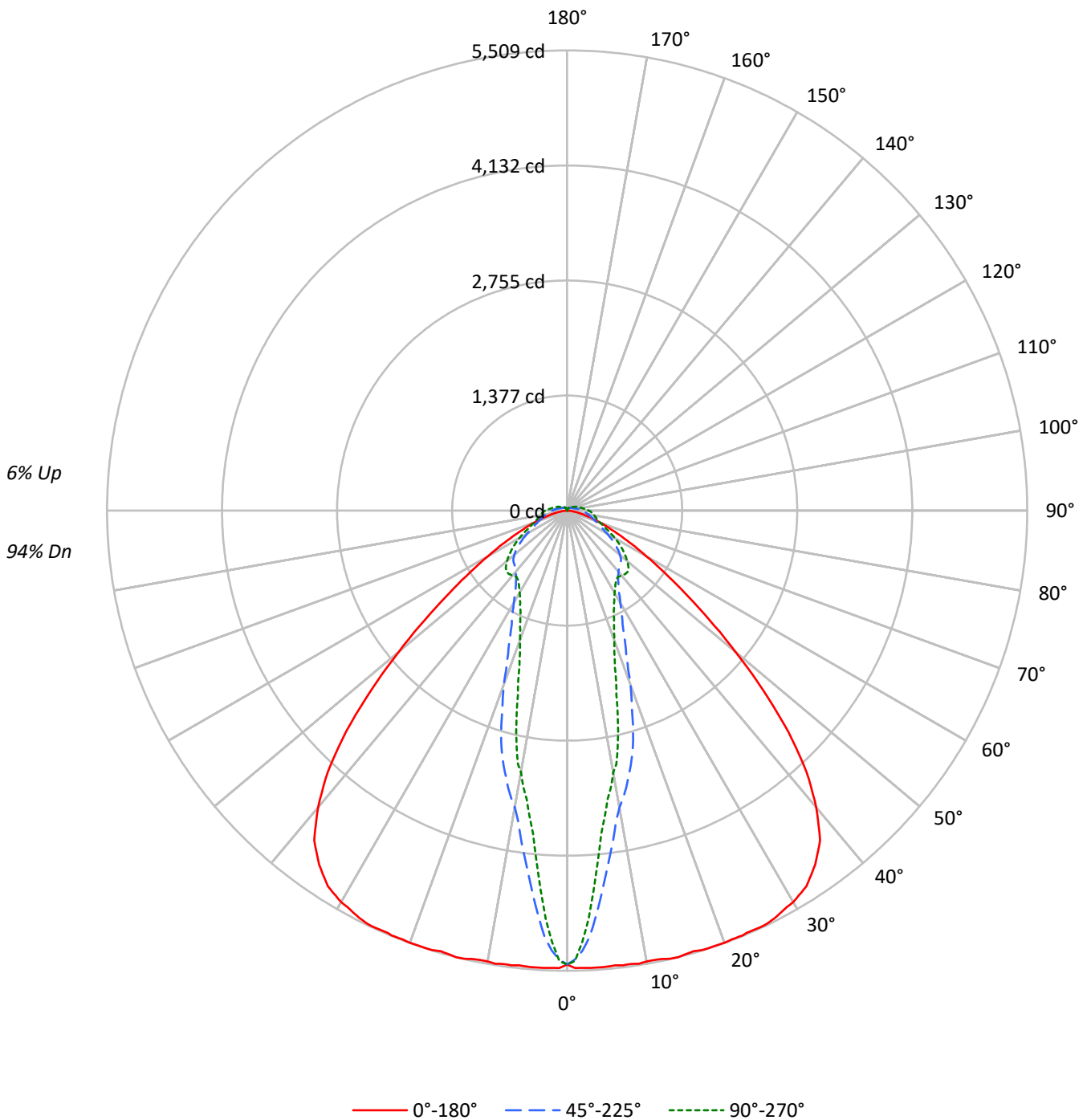
Lumens per Lamp: N/A
Luminaire Lumens: 6698.0 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48
Input Voltage (V): NR
Input Current (A_{in}): 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	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29244	29244	29244
5°	29562	24049	21500
10°	29848	18176	15560
15°	30450	14874	10775
20°	31296	10774	7610
25°	32341	7727	5986
30°	33240	6180	5099
35°	33520	5232	4567
40°	32044	4762	4577
45°	27896	4606	4703
50°	21481	4385	4388
55°	15639	3840	3894
60°	11411	3209	3293
65°	8369	2718	2699
70°	6233	2405	2327
75°	4503	2232	2169
80°	3043	2095	2136
85°	1541	2004	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.3	6.4
10°-20°	927.9	13.9
20°-30°	1062.2	15.9
30°-40°	1064.1	15.9
40°-50°	1007.3	15.0
50°-60°	772.5	11.5
60°-70°	497.9	7.4
70°-80°	317.5	4.7
80°-90°	210.8	3.1
90°-100°	141.7	2.1
100°-110°	93.4	1.4
110°-120°	65.0	1.0
120°-130°	45.3	0.7
130°-140°	31.5	0.5
140°-150°	19.3	0.3
150°-160°	9.8	0.1
160°-170°	3.8	0.1
170°-180°	0.7	0.0
0°-30°	2417.4	36.1
0°-40°	3481.5	52.0
0°-60°	5261.3	78.6
0°-90°	6287.6	93.9
90°-120°	300.1	4.5
90°-150°	396.1	5.9
90°-180°	410.0	6.1
0°-180°	6698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5434	5434	5434	5434	5434	
5°	5482	5180	4641	4328	4212	523
15°	5496	3958	3017	2478	2279	1559
25°	5499	2801	1596	1387	1322	2535
35°	5176	1558	1068	1033	1020	3212
45°	3742	985	899	995	1030	2845
55°	1716	704	693	779	810	1578
65°	686	443	436	498	515	706
75°	233	240	302	347	364	257
85°	31	110	213	278	299	42
90°	0	76	178	247	257	1
95°	0	55	148	202	213	0
105°	0	41	96	137	148	2
115°	3	34	72	100	106	3
125°	3	31	62	72	76	3
135°	3	24	48	58	62	3
145°	3	17	34	45	48	2
155°	3	10	21	31	34	2
165°	7	7	14	17	21	2
175°	7	7	7	7	3	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5433.7	5433.7	5433.7	5433.7	5433.7
1°	5478.4	5447.5	5375.4	5396.0	5392.6
2°	5478.4	5413.1	5272.4	5231.2	5169.4
3°	5481.8	5354.8	5114.5	4980.6	4894.8
4°	5481.8	5269.0	4881.1	4658.0	4548.1
5°	5481.8	5179.7	4640.8	4328.5	4211.8
6°	5474.9	5073.3	4397.1	4067.6	3892.5
7°	5485.2	4956.6	4177.4	3823.9	3686.6
8°	5481.8	4819.3	3974.9	3638.5	3487.5
9°	5492.1	4685.4	3755.2	3463.5	3350.2
10°	5481.8	4561.9	3611.1	3298.7	3182.0
11°	5481.8	4441.7	3508.1	3192.3	3092.7
12°	5488.7	4304.4	3394.8	3041.2	2903.9
13°	5505.8	4163.7	3264.4	2876.5	2715.2
14°	5509.3	4057.3	3144.2	2667.1	2498.9
15°	5495.5	3957.7	3017.2	2478.3	2279.2
16°	5488.7	3854.8	2866.2	2299.8	2121.3
17°	5502.4	3734.6	2694.6	2117.9	1953.1
18°	5505.8	3624.8	2512.6	1980.6	1836.4
19°	5505.8	3539.0	2365.0	1853.6	1730.0
20°	5505.8	3456.6	2214.0	1757.5	1651.1
21°	5499.0	3353.6	2042.4	1657.9	1568.7
22.5°	5502.4	3161.4	1846.7	1541.2	1469.1
23°	5492.1	3113.3	1798.7	1510.3	1434.8
24°	5495.5	2976.0	1695.7	1448.5	1376.5
25°	5499.0	2801.0	1596.1	1386.8	1321.5
26°	5492.1	2660.2	1513.8	1328.4	1283.8
27°	5474.9	2547.0	1455.4	1280.3	1239.2
28°	5450.9	2395.9	1393.6	1239.2	1201.4
29°	5426.9	2224.3	1331.8	1194.5	1167.1
30°	5413.1	2087.0	1273.5	1160.2	1136.2
32.5°	5330.8	1815.8	1153.3	1091.6	1071.0
35°	5176.3	1558.4	1067.5	1033.2	1019.5
37.5°	4973.8	1359.3	1002.3	995.4	998.9
40°	4640.8	1201.4	954.3	985.1	1016.0
42.5°	4242.6	1077.8	919.9	995.4	1029.8
45°	3741.5	985.1	899.3	995.4	1029.8
47.5°	3185.4	909.6	875.3	961.1	995.4
50°	2629.3	841.0	827.2	909.6	940.5
52.5°	2138.5	775.8	765.5	844.4	875.3
55°	1716.3	703.7	693.4	779.2	810.1
57.5°	1376.5	635.0	624.7	703.7	734.6
60°	1098.4	566.4	549.2	628.2	659.1
62.5°	875.3	501.2	490.9	559.5	587.0
65°	686.5	442.8	435.9	497.7	514.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	542.3	387.9	391.3	442.8	463.4
70°	418.8	336.4	357.0	405.0	418.8
72.5°	315.8	284.9	329.5	370.7	387.9
75°	233.4	240.3	302.1	346.7	363.9
77.5°	161.3	199.1	278.0	326.1	343.3
80°	109.8	161.3	254.0	308.9	329.5
82.5°	65.2	133.9	233.4	291.8	315.8
85°	30.9	109.8	212.8	278.0	298.6
87.5°	10.3	89.2	192.2	264.3	281.5
90°	0.0	75.5	178.5	247.1	257.4
92.5°	0.0	65.2	161.3	226.5	233.4
95°	0.0	54.9	147.6	202.5	212.8
97.5°	0.0	51.5	137.3	181.9	195.7
100°	0.0	48.1	123.6	164.8	178.5
102.5°	0.0	41.2	109.8	147.6	161.3
105°	0.0	41.2	96.1	137.3	147.6
107.5°	3.4	37.8	89.2	123.6	137.3
110°	3.4	37.8	78.9	116.7	127.0
112.5°	3.4	37.8	75.5	106.4	120.1
115°	3.4	34.3	72.1	99.5	106.4
117.5°	3.4	34.3	68.7	89.2	96.1
120°	3.4	30.9	65.2	82.4	85.8
122.5°	3.4	30.9	61.8	75.5	78.9
125°	3.4	30.9	61.8	72.1	75.5
127.5°	3.4	27.5	58.4	68.7	68.7
130°	3.4	27.5	54.9	65.2	65.2
132.5°	3.4	24.0	51.5	61.8	65.2
135°	3.4	24.0	48.1	58.4	61.8
137.5°	3.4	20.6	44.6	54.9	58.4
140°	3.4	20.6	41.2	51.5	54.9
142.5°	3.4	17.2	37.8	48.1	51.5
145°	3.4	17.2	34.3	44.6	48.1
147.5°	3.4	17.2	30.9	41.2	44.6
150°	3.4	13.7	27.5	37.8	41.2
152.5°	3.4	13.7	24.0	34.3	37.8
155°	3.4	10.3	20.6	30.9	34.3
157.5°	3.4	10.3	20.6	27.5	30.9
160°	6.9	10.3	17.2	24.0	27.5
162.5°	3.4	6.9	17.2	20.6	24.0
165°	6.9	6.9	13.7	17.2	20.6
167.5°	6.9	6.9	10.3	13.7	17.2
170°	6.9	6.9	10.3	10.3	13.7
172.5°	6.9	6.9	6.9	10.3	6.9
175°	6.9	6.9	6.9	6.9	3.4
177.5°	6.9	6.9	6.9	6.9	3.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.9	6.9	6.9	6.9	6.9

(END OF REPORT)