

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: P567979

Luminaire Tested: **8SNX-74SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567979
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-L835-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

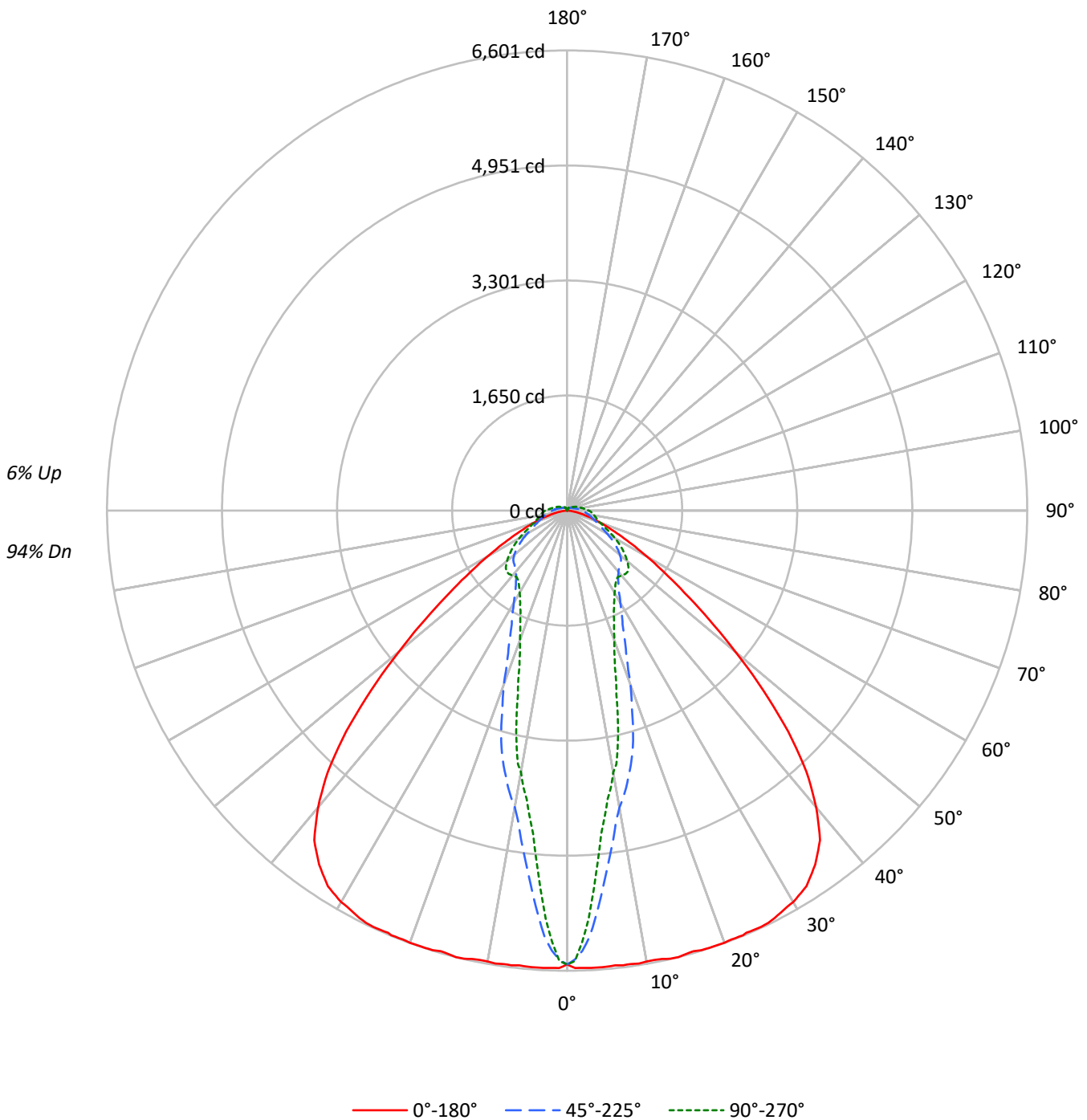
Lumens per Lamp: N/A
Luminaire Lumens: 8025.0 lumens
Efficiency: N/A
Efficacy: 167.2 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48
Input Voltage (V): NR
Input Current (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	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°	35038	35038	35038
5°	35418	28814	25760
10°	35762	21777	18643
15°	36483	17821	12909
20°	37497	12908	9117
25°	38748	9258	7173
30°	39826	7404	6109
35°	40161	6269	5471
40°	38394	5705	5484
45°	33423	5518	5634
50°	25738	5254	5258
55°	18737	4601	4665
60°	13672	3845	3944
65°	10026	3256	3233
70°	7467	2881	2788
75°	5397	2674	2599
80°	3648	2510	2559
85°	1845	2402	2563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.0	6.4
10°-20°	1111.8	13.9
20°-30°	1272.6	15.9
30°-40°	1274.9	15.9
40°-50°	1206.8	15.0
50°-60°	925.6	11.5
60°-70°	596.6	7.4
70°-80°	380.4	4.7
80°-90°	252.6	3.1
90°-100°	169.8	2.1
100°-110°	111.9	1.4
110°-120°	77.8	1.0
120°-130°	54.3	0.7
130°-140°	37.7	0.5
140°-150°	23.1	0.3
150°-160°	11.7	0.1
160°-170°	4.5	0.1
170°-180°	0.9	0.0
0°-30°	2896.4	36.1
0°-40°	4171.3	52.0
0°-60°	6303.7	78.6
0°-90°	7533.3	93.9
90°-120°	359.6	4.5
90°-150°	474.6	5.9
90°-180°	492.0	6.1
0°-180°	8025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6510	6510	6510	6510	6510	
5°	6568	6206	5560	5186	5046	627
15°	6584	4742	3615	2969	2731	1868
25°	6588	3356	1912	1662	1583	3037
35°	6202	1867	1279	1238	1221	3848
45°	4483	1180	1078	1193	1234	3408
55°	2056	843	831	934	971	1891
65°	822	530	522	596	617	846
75°	280	288	362	415	436	307
85°	37	132	255	333	358	51
90°	0	90	214	296	308	2
95°	0	66	177	243	255	0
105°	0	49	115	164	177	3
115°	4	41	86	119	128	4
125°	4	37	74	86	90	4
135°	4	29	58	70	74	3
145°	4	21	41	54	58	3
155°	4	12	25	37	41	2
165°	8	8	16	21	25	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6510.3	6510.3	6510.3	6510.3	6510.3
1°	6563.7	6526.7	6440.4	6465.0	6460.9
2°	6563.7	6485.6	6317.0	6267.6	6193.6
3°	6567.8	6415.7	6127.8	5967.4	5864.6
4°	6567.8	6312.9	5848.1	5580.8	5449.2
5°	6567.8	6205.9	5560.3	5186.0	5046.2
6°	6559.6	6078.4	5268.3	4873.4	4663.7
7°	6572.0	5938.6	5005.1	4581.5	4416.9
8°	6567.8	5774.1	4762.4	4359.4	4178.4
9°	6580.2	5613.7	4499.2	4149.6	4013.9
10°	6567.8	5465.7	4326.5	3952.2	3812.4
11°	6567.8	5321.7	4203.1	3824.7	3705.5
12°	6576.1	5157.2	4067.4	3643.8	3479.3
13°	6596.6	4988.6	3911.1	3446.4	3253.1
14°	6600.7	4861.1	3767.2	3195.5	2994.0
15°	6584.3	4741.8	3615.0	2969.3	2730.8
16°	6576.1	4618.5	3434.0	2755.5	2541.6
17°	6592.5	4474.5	3228.4	2537.5	2340.1
18°	6596.6	4342.9	3010.4	2373.0	2200.2
19°	6596.6	4240.1	2833.6	2220.8	2072.8
20°	6596.6	4141.4	2652.6	2105.7	1978.2
21°	6588.4	4018.0	2447.0	1986.4	1879.5
22.5°	6592.5	3787.7	2212.6	1846.6	1760.2
23°	6580.2	3730.1	2155.0	1809.6	1719.1
24°	6584.3	3565.6	2031.6	1735.5	1649.2
25°	6588.4	3355.9	1912.4	1661.5	1583.4
26°	6580.2	3187.3	1813.7	1591.6	1538.1
27°	6559.6	3051.6	1743.7	1534.0	1484.7
28°	6530.8	2870.6	1669.7	1484.7	1439.4
29°	6502.0	2665.0	1595.7	1431.2	1398.3
30°	6485.6	2500.5	1525.8	1390.1	1361.3
32.5°	6386.9	2175.6	1381.8	1307.8	1283.1
35°	6201.8	1867.1	1279.0	1237.9	1221.4
37.5°	5959.2	1628.6	1200.9	1192.7	1196.8
40°	5560.3	1439.4	1143.3	1180.3	1217.3
42.5°	5083.2	1291.4	1102.2	1192.7	1233.8
45°	4482.8	1180.3	1077.5	1192.7	1233.8
47.5°	3816.5	1089.8	1048.7	1151.5	1192.7
50°	3150.3	1007.6	991.1	1089.8	1126.9
52.5°	2562.2	929.5	917.1	1011.7	1048.7
55°	2056.3	843.1	830.7	933.6	970.6
57.5°	1649.2	760.8	748.5	843.1	880.1
60°	1316.0	678.6	658.0	752.6	789.6
62.5°	1048.7	600.4	588.1	670.4	703.3
65°	822.5	530.5	522.3	596.3	616.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	649.8	464.7	468.8	530.5	555.2
70°	501.7	403.0	427.7	485.3	501.7
72.5°	378.4	341.3	394.8	444.2	464.7
75°	279.7	287.9	361.9	415.4	435.9
77.5°	193.3	238.5	333.1	390.7	411.3
80°	131.6	193.3	304.3	370.1	394.8
82.5°	78.1	160.4	279.7	349.6	378.4
85°	37.0	131.6	255.0	333.1	357.8
87.5°	12.3	106.9	230.3	316.7	337.2
90°	0.0	90.5	213.9	296.1	308.4
92.5°	0.0	78.1	193.3	271.4	279.7
95°	0.0	65.8	176.8	242.6	255.0
97.5°	0.0	61.7	164.5	218.0	234.4
100°	0.0	57.6	148.1	197.4	213.9
102.5°	0.0	49.4	131.6	176.8	193.3
105°	0.0	49.4	115.2	164.5	176.8
107.5°	4.1	45.2	106.9	148.1	164.5
110°	4.1	45.2	94.6	139.8	152.2
112.5°	4.1	45.2	90.5	127.5	143.9
115°	4.1	41.1	86.4	119.3	127.5
117.5°	4.1	41.1	82.3	106.9	115.2
120°	4.1	37.0	78.1	98.7	102.8
122.5°	4.1	37.0	74.0	90.5	94.6
125°	4.1	37.0	74.0	86.4	90.5
127.5°	4.1	32.9	69.9	82.3	82.3
130°	4.1	32.9	65.8	78.1	78.1
132.5°	4.1	28.8	61.7	74.0	78.1
135°	4.1	28.8	57.6	69.9	74.0
137.5°	4.1	24.7	53.5	65.8	69.9
140°	4.1	24.7	49.4	61.7	65.8
142.5°	4.1	20.6	45.2	57.6	61.7
145°	4.1	20.6	41.1	53.5	57.6
147.5°	4.1	20.6	37.0	49.4	53.5
150°	4.1	16.5	32.9	45.2	49.4
152.5°	4.1	16.5	28.8	41.1	45.2
155°	4.1	12.3	24.7	37.0	41.1
157.5°	4.1	12.3	24.7	32.9	37.0
160°	8.2	12.3	20.6	28.8	32.9
162.5°	4.1	8.2	20.6	24.7	28.8
165°	8.2	8.2	16.5	20.6	24.7
167.5°	8.2	8.2	12.3	16.5	20.6
170°	8.2	8.2	12.3	12.3	16.5
172.5°	8.2	8.2	8.2	12.3	8.2
175°	8.2	8.2	8.2	8.2	4.1
177.5°	8.2	8.2	8.2	8.2	4.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.2	8.2	8.2	8.2	8.2

(END OF REPORT)