

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: P567988

Luminaire Tested: **8SNX-74SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-LN-UNV-L840-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

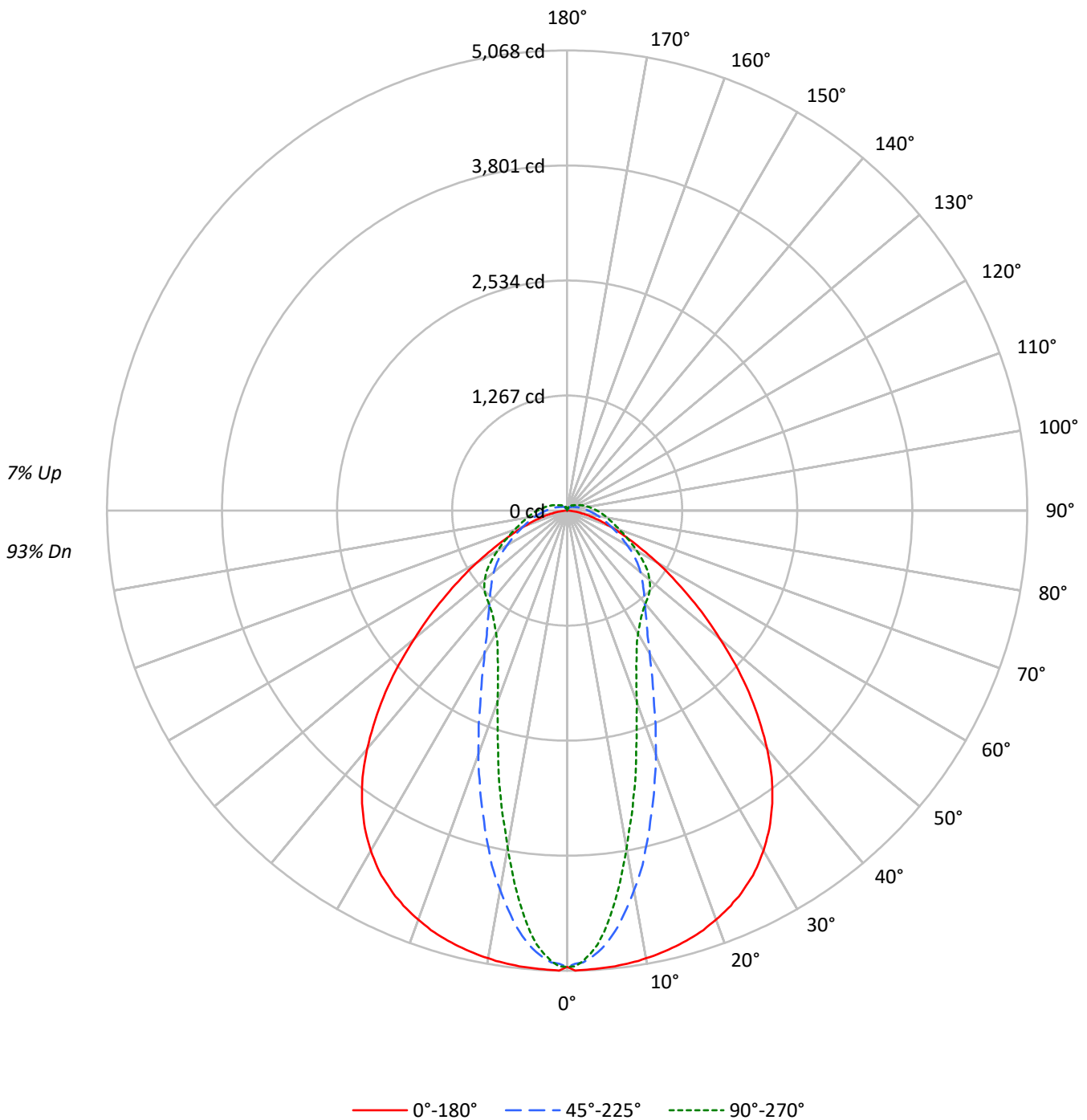
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8011.1 lumens
Efficiency: N/A
Efficacy: 166.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27047	27047	27047
5°	27237	24890	23790
10°	27249	21365	18457
15°	27288	17448	13834
20°	27254	13913	10353
25°	27062	10914	8216
30°	26555	8842	7008
35°	25502	7491	6375
40°	23656	6620	6034
45°	21099	6064	5848
50°	17940	5587	5524
55°	14805	5069	5045
60°	11908	4465	4426
65°	9315	3927	3851
70°	7311	3479	3406
75°	5752	3133	3104
80°	4188	2875	2885
85°	2514	2689	2767



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.0	5.6
10°-20°	1043.2	13.0
20°-30°	1238.3	15.5
30°-40°	1245.8	15.6
40°-50°	1158.1	14.5
50°-60°	953.6	11.9
60°-70°	671.9	8.4
70°-80°	439.0	5.5
80°-90°	280.3	3.5
90°-100°	183.8	2.3
100°-110°	124.8	1.6
110°-120°	85.5	1.1
120°-130°	59.2	0.7
130°-140°	39.8	0.5
140°-150°	24.5	0.3
150°-160°	12.7	0.2
160°-170°	4.6	0.1
170°-180°	0.8	0.0
0°-30°	2726.5	34.0
0°-40°	3972.4	49.6
0°-60°	6084.0	75.9
0°-90°	7475.2	93.3
90°-120°	394.1	4.9
90°-150°	517.7	6.5
90°-180°	536.0	6.7
0°-180°	8011.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5026	5026	5026	5026	5026	
5°	5051	4984	4803	4711	4660	481
15°	4925	4400	3539	3094	2926	1391
25°	4602	3401	2255	1894	1814	2118
35°	3938	2301	1528	1432	1423	2449
45°	2830	1516	1184	1247	1280	2172
55°	1625	995	915	1016	1050	1467
65°	764	600	630	710	735	775
75°	298	311	424	500	521	322
85°	50	143	286	370	386	63
90°	0	97	231	315	328	3
95°	0	71	193	264	277	0
105°	0	50	130	185	202	0
115°	4	42	92	134	143	4
125°	4	34	76	97	105	4
135°	4	29	59	76	80	3
145°	4	21	42	59	63	3
155°	4	17	29	42	46	2
165°	4	8	17	21	25	1
175°	8	8	8	8	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5025.5	5025.5	5025.5	5025.5	5025.5
1°	5067.5	5046.5	4992.0	5029.7	5021.3
2°	5063.3	5042.3	4979.4	4996.2	4966.8
3°	5059.1	5029.7	4933.2	4929.0	4887.0
4°	5054.9	5008.7	4874.4	4824.0	4790.4
5°	5050.7	4983.6	4803.0	4710.7	4660.3
6°	5046.5	4954.2	4710.7	4572.1	4500.7
7°	5038.1	4908.0	4614.1	4425.2	4332.8
8°	5029.7	4866.0	4492.3	4265.6	4152.3
9°	5021.3	4811.4	4370.6	4093.5	3959.1
10°	5004.5	4756.8	4244.6	3917.2	3774.4
11°	4996.2	4693.9	4122.9	3749.2	3581.3
12°	4979.4	4626.7	3992.7	3572.9	3425.9
13°	4962.6	4555.3	3833.2	3421.7	3245.4
14°	4945.8	4479.7	3694.6	3253.8	3090.1
15°	4924.8	4400.0	3539.3	3094.3	2926.3
16°	4903.8	4307.6	3400.7	2930.5	2754.2
17°	4882.8	4219.4	3270.6	2779.4	2619.8
18°	4857.6	4131.3	3119.4	2632.4	2477.1
19°	4824.0	4030.5	2997.7	2498.1	2355.3
20°	4794.6	3938.1	2859.1	2372.1	2246.2
21°	4761.0	3824.8	2720.6	2254.6	2128.6
22.5°	4710.7	3665.2	2544.3	2107.6	1990.1
23°	4685.5	3619.1	2472.9	2053.0	1952.3
24°	4651.9	3497.3	2355.3	1969.1	1868.3
25°	4601.5	3400.7	2254.6	1893.5	1813.7
26°	4555.3	3283.2	2153.8	1826.3	1746.6
27°	4509.1	3169.8	2065.6	1755.0	1687.8
28°	4450.4	3052.3	1969.1	1696.2	1637.4
29°	4387.4	2943.1	1889.3	1645.8	1599.6
30°	4324.4	2821.4	1822.1	1599.6	1561.8
32.5°	4148.1	2552.7	1650.0	1511.4	1486.2
35°	3938.1	2300.7	1528.2	1431.7	1423.3
37.5°	3703.0	2069.8	1419.1	1368.7	1377.1
40°	3425.9	1859.9	1326.7	1322.5	1339.3
42.5°	3132.0	1679.4	1255.3	1284.7	1309.9
45°	2829.8	1515.6	1184.0	1246.9	1280.5
47.5°	2514.9	1372.9	1121.0	1200.8	1238.5
50°	2195.8	1234.3	1053.8	1146.2	1184.0
52.5°	1910.3	1112.6	986.6	1083.2	1125.2
55°	1624.8	995.0	915.3	1016.0	1049.6
57.5°	1377.1	885.9	839.7	940.5	965.6
60°	1146.2	780.9	764.1	856.5	885.9
62.5°	936.3	688.5	692.7	780.9	810.3
65°	764.1	600.4	629.8	709.5	734.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	621.4	516.4	566.8	650.8	671.8
70°	491.2	440.8	516.4	592.0	613.0
72.5°	390.5	373.7	466.0	545.8	562.6
75°	298.1	310.7	424.0	499.6	520.6
77.5°	214.1	260.3	382.1	461.8	478.6
80°	151.1	214.1	348.5	428.2	445.0
82.5°	96.6	176.3	314.9	398.9	415.6
85°	50.4	142.7	285.5	369.5	386.3
87.5°	21.0	117.6	256.1	340.1	356.9
90°	0.0	96.6	230.9	314.9	327.5
92.5°	0.0	84.0	209.9	289.7	302.3
95°	0.0	71.4	193.1	264.5	277.1
97.5°	0.0	67.2	172.1	243.5	256.1
100°	0.0	58.8	155.3	222.5	239.3
102.5°	0.0	54.6	142.7	201.5	218.3
105°	0.0	50.4	130.2	184.7	201.5
107.5°	0.0	46.2	121.8	172.1	184.7
110°	0.0	46.2	109.2	159.5	172.1
112.5°	4.2	42.0	100.8	142.7	155.3
115°	4.2	42.0	92.4	134.4	142.7
117.5°	4.2	42.0	88.2	121.8	130.2
120°	4.2	37.8	84.0	113.4	121.8
122.5°	4.2	37.8	79.8	105.0	109.2
125°	4.2	33.6	75.6	96.6	105.0
127.5°	4.2	33.6	71.4	92.4	96.6
130°	4.2	33.6	67.2	84.0	92.4
132.5°	4.2	29.4	63.0	79.8	84.0
135°	4.2	29.4	58.8	75.6	79.8
137.5°	4.2	25.2	54.6	71.4	75.6
140°	4.2	25.2	50.4	67.2	71.4
142.5°	4.2	21.0	46.2	63.0	67.2
145°	4.2	21.0	42.0	58.8	63.0
147.5°	4.2	21.0	37.8	54.6	58.8
150°	4.2	16.8	33.6	50.4	54.6
152.5°	4.2	16.8	29.4	46.2	50.4
155°	4.2	16.8	29.4	42.0	46.2
157.5°	4.2	12.6	25.2	33.6	42.0
160°	4.2	12.6	21.0	29.4	37.8
162.5°	4.2	12.6	21.0	25.2	29.4
165°	4.2	8.4	16.8	21.0	25.2
167.5°	4.2	8.4	12.6	16.8	21.0
170°	4.2	8.4	12.6	12.6	16.8
172.5°	4.2	8.4	8.4	8.4	8.4
175°	8.4	8.4	8.4	8.4	4.2
177.5°	8.4	8.4	8.4	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)