

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: P567989

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567989
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-L850-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

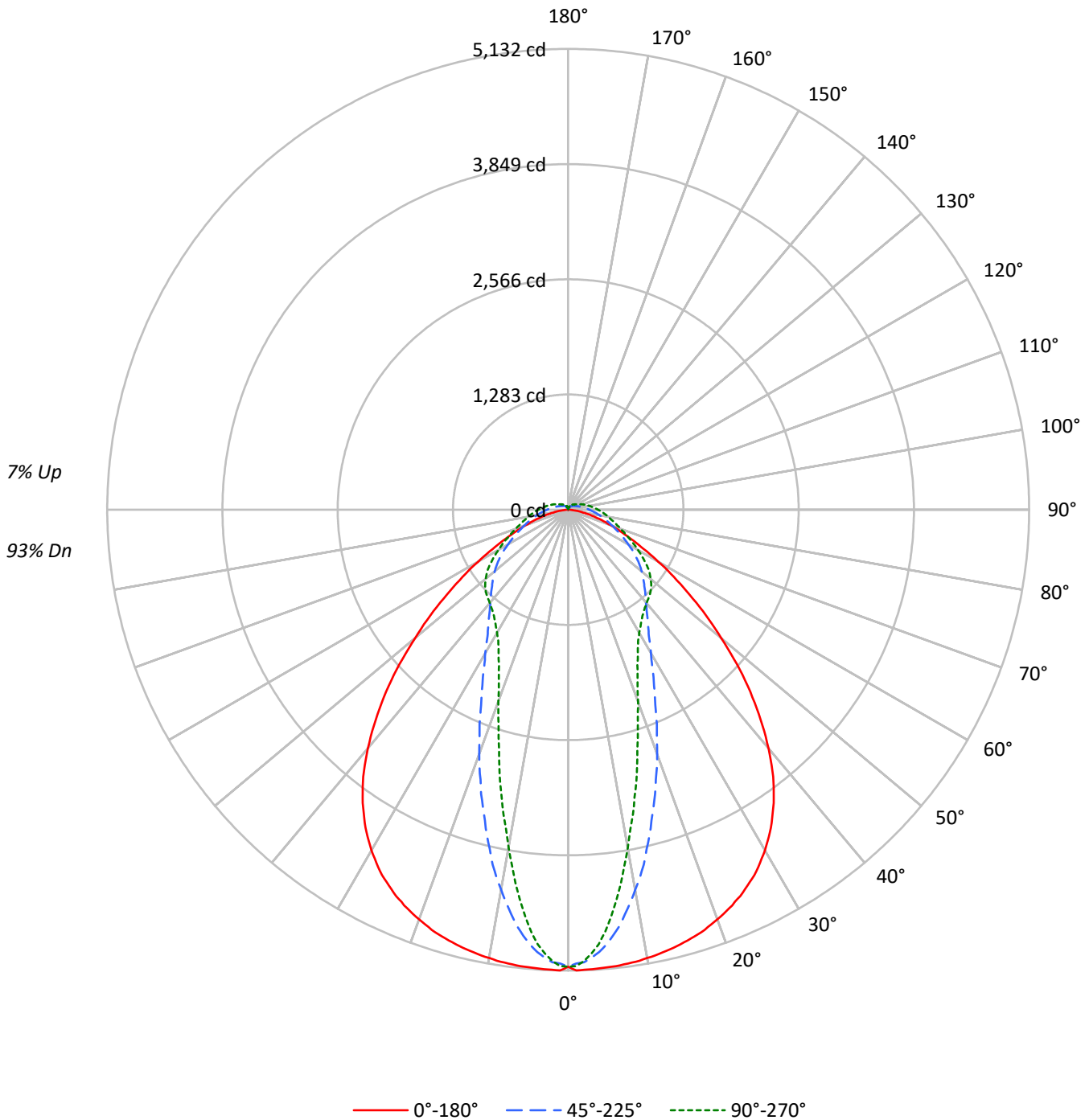
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8113.0 lumens
Efficiency: N/A
Efficacy: 169.0 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°	27391	27391	27391
5°	27584	25207	24092
10°	27597	21638	18693
15°	27635	17670	14010
20°	27601	14090	10485
25°	27407	11053	8321
30°	26893	8954	7098
35°	25827	7586	6456
40°	23957	6705	6111
45°	21367	6141	5922
50°	18168	5658	5594
55°	14994	5133	5109
60°	12060	4522	4482
65°	9433	3977	3900
70°	7405	3524	3450
75°	5825	3173	3143
80°	4244	2911	2922
85°	2544	2723	2802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.7	5.6
10°-20°	1056.5	13.0
20°-30°	1254.0	15.5
30°-40°	1261.7	15.6
40°-50°	1172.8	14.5
50°-60°	965.7	11.9
60°-70°	680.5	8.4
70°-80°	444.6	5.5
80°-90°	283.8	3.5
90°-100°	186.2	2.3
100°-110°	126.4	1.6
110°-120°	86.6	1.1
120°-130°	59.9	0.7
130°-140°	40.3	0.5
140°-150°	24.9	0.3
150°-160°	12.9	0.2
160°-170°	4.7	0.1
170°-180°	0.8	0.0
0°-30°	2761.2	34.0
0°-40°	4022.9	49.6
0°-60°	6161.5	75.9
0°-90°	7570.4	93.3
90°-120°	399.1	4.9
90°-150°	524.3	6.5
90°-180°	543.0	6.7
0°-180°	8113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5090	5090	5090	5090	5090	
5°	5115	5047	4864	4771	4720	487
15°	4988	4456	3584	3134	2964	1409
25°	4660	3444	2283	1918	1837	2144
35°	3988	2330	1548	1450	1441	2480
45°	2866	1535	1199	1263	1297	2200
55°	1646	1008	927	1029	1063	1486
65°	774	608	638	719	744	785
75°	302	315	429	506	527	326
85°	51	145	289	374	391	64
90°	0	98	234	319	332	3
95°	0	72	196	268	281	0
105°	0	51	132	187	204	0
115°	4	42	94	136	145	4
125°	4	34	76	98	106	4
135°	4	30	60	76	81	3
145°	4	21	42	60	64	3
155°	4	17	30	42	47	2
165°	4	8	17	21	26	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°	5089.5	5089.5	5089.5	5089.5	5089.5
1°	5132.0	5110.8	5055.5	5093.8	5085.3
2°	5127.8	5106.5	5042.8	5059.8	5030.0
3°	5123.5	5093.8	4996.0	4991.7	4949.2
4°	5119.3	5072.5	4936.5	4885.4	4851.4
5°	5115.0	5047.0	4864.2	4770.6	4719.6
6°	5110.8	5017.2	4770.6	4630.3	4558.0
7°	5102.3	4970.5	4672.8	4481.5	4388.0
8°	5093.8	4928.0	4549.5	4319.9	4205.1
9°	5085.3	4872.7	4426.2	4145.6	4009.5
10°	5068.3	4817.4	4298.7	3967.0	3822.5
11°	5059.8	4753.6	4175.4	3796.9	3626.9
12°	5042.8	4685.6	4043.6	3618.4	3469.6
13°	5025.7	4613.3	3882.0	3465.3	3286.7
14°	5008.7	4536.8	3741.7	3295.2	3129.4
15°	4987.5	4456.0	3584.4	3133.7	2963.6
16°	4966.2	4362.5	3444.0	2967.8	2789.2
17°	4945.0	4273.2	3312.2	2814.8	2653.2
18°	4919.5	4183.9	3159.2	2665.9	2508.6
19°	4885.4	4081.8	3035.9	2529.9	2385.3
20°	4855.7	3988.3	2895.5	2402.3	2274.8
21°	4821.7	3873.5	2755.2	2283.3	2155.7
22.5°	4770.6	3711.9	2576.7	2134.5	2015.4
23°	4745.1	3665.1	2504.4	2079.2	1977.1
24°	4711.1	3541.8	2385.3	1994.1	1892.1
25°	4660.1	3444.0	2283.3	1917.6	1836.8
26°	4613.3	3325.0	2181.2	1849.6	1768.8
27°	4566.5	3210.2	2091.9	1777.3	1709.3
28°	4507.0	3091.1	1994.1	1717.8	1658.2
29°	4443.2	2980.6	1913.4	1666.7	1620.0
30°	4379.5	2857.3	1845.3	1620.0	1581.7
32.5°	4200.9	2585.2	1671.0	1530.7	1505.2
35°	3988.3	2330.0	1547.7	1449.9	1441.4
37.5°	3750.2	2096.2	1437.1	1386.1	1394.6
40°	3469.6	1883.6	1343.6	1339.3	1356.4
42.5°	3171.9	1700.8	1271.3	1301.1	1326.6
45°	2865.8	1534.9	1199.0	1262.8	1296.8
47.5°	2546.9	1390.4	1135.3	1216.0	1254.3
50°	2223.7	1250.1	1067.2	1160.8	1199.0
52.5°	1934.6	1126.8	999.2	1097.0	1139.5
55°	1645.5	1007.7	926.9	1029.0	1063.0
57.5°	1394.6	897.2	850.4	952.4	977.9
60°	1160.8	790.9	773.8	867.4	897.2
62.5°	948.2	697.3	701.6	790.9	820.6
65°	773.8	608.0	637.8	718.6	744.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	629.3	523.0	574.0	659.0	680.3
70°	497.5	446.4	523.0	599.5	620.8
72.5°	395.4	378.4	472.0	552.7	569.8
75°	301.9	314.6	429.4	506.0	527.2
77.5°	216.8	263.6	386.9	467.7	484.7
80°	153.1	216.8	352.9	433.7	450.7
82.5°	97.8	178.6	318.9	403.9	420.9
85°	51.0	144.6	289.1	374.2	391.2
87.5°	21.3	119.1	259.4	344.4	361.4
90°	0.0	97.8	233.9	318.9	331.6
92.5°	0.0	85.0	212.6	293.4	306.1
95°	0.0	72.3	195.6	267.9	280.6
97.5°	0.0	68.0	174.3	246.6	259.4
100°	0.0	59.5	157.3	225.4	242.4
102.5°	0.0	55.3	144.6	204.1	221.1
105°	0.0	51.0	131.8	187.1	204.1
107.5°	0.0	46.8	123.3	174.3	187.1
110°	0.0	46.8	110.5	161.6	174.3
112.5°	4.3	42.5	102.0	144.6	157.3
115°	4.3	42.5	93.5	136.1	144.6
117.5°	4.3	42.5	89.3	123.3	131.8
120°	4.3	38.3	85.0	114.8	123.3
122.5°	4.3	38.3	80.8	106.3	110.5
125°	4.3	34.0	76.5	97.8	106.3
127.5°	4.3	34.0	72.3	93.5	97.8
130°	4.3	34.0	68.0	85.0	93.5
132.5°	4.3	29.8	63.8	80.8	85.0
135°	4.3	29.8	59.5	76.5	80.8
137.5°	4.3	25.5	55.3	72.3	76.5
140°	4.3	25.5	51.0	68.0	72.3
142.5°	4.3	21.3	46.8	63.8	68.0
145°	4.3	21.3	42.5	59.5	63.8
147.5°	4.3	21.3	38.3	55.3	59.5
150°	4.3	17.0	34.0	51.0	55.3
152.5°	4.3	17.0	29.8	46.8	51.0
155°	4.3	17.0	29.8	42.5	46.8
157.5°	4.3	12.8	25.5	34.0	42.5
160°	4.3	12.8	21.3	29.8	38.3
162.5°	4.3	12.8	21.3	25.5	29.8
165°	4.3	8.5	17.0	21.3	25.5
167.5°	4.3	8.5	12.8	17.0	21.3
170°	4.3	8.5	12.8	12.8	17.0
172.5°	4.3	8.5	8.5	8.5	8.5
175°	8.5	8.5	8.5	8.5	4.3
177.5°	8.5	8.5	8.5	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)