

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: P566379

Luminaire Tested: **4SNX-41SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-41SL-FDL-UNV-L935-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

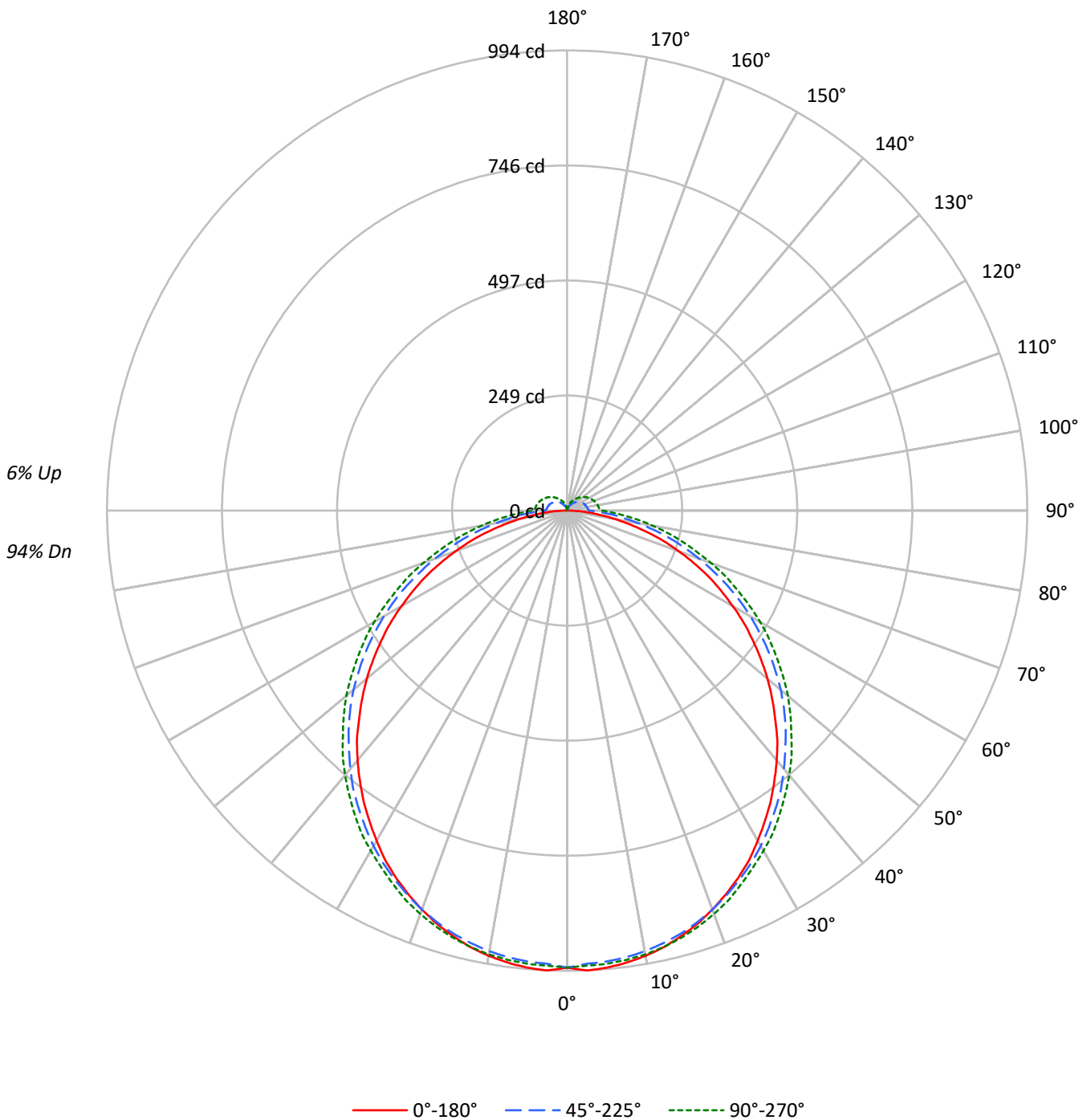
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3137.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 26.3
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10626	10626	10626
5°	10698	10450	10466
10°	10655	10337	10334
15°	10575	10206	10186
20°	10467	10048	10013
25°	10341	9874	9807
30°	10172	9697	9618
35°	10000	9490	9420
40°	9812	9261	9197
45°	9574	9033	8938
50°	9345	8775	8700
55°	9061	8455	8370
60°	8740	8088	8045
65°	8401	7652	7599
70°	7817	7102	7134
75°	7118	6457	6579
80°	6081	5596	5965
85°	4779	4851	5242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	3.0
10°-20°	268.6	8.6
20°-30°	407.1	13.0
30°-40°	491.5	15.7
40°-50°	513.2	16.4
50°-60°	471.5	15.0
60°-70°	372.8	11.9
70°-80°	236.0	7.5
80°-90°	101.4	3.2
90°-100°	44.7	1.4
100°-110°	40.0	1.3
110°-120°	33.8	1.1
120°-130°	26.3	0.8
130°-140°	18.2	0.6
140°-150°	10.9	0.3
150°-160°	5.3	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	769.4	24.5
0°-40°	1260.8	40.2
0°-60°	2245.5	71.6
0°-90°	2955.8	94.2
90°-120°	118.4	3.8
90°-150°	173.8	5.5
90°-180°	181.0	5.8
0°-180°	3137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	987	987	987	987	987	
5°	991	988	978	986	983	94
15°	952	952	947	957	955	268
25°	875	879	880	892	890	403
35°	767	776	786	798	800	479
45°	636	651	668	680	685	491
55°	490	510	531	548	552	438
65°	337	356	381	399	405	332
75°	178	199	228	247	257	188
85°	43	67	96	116	123	48
90°	3	24	49	68	76	4
95°	1	21	44	62	69	0
105°	1	19	42	58	64	1
115°	1	16	38	53	58	1
125°	1	14	32	46	51	1
135°	1	11	26	36	41	1
145°	1	8	18	27	30	1
155°	1	6	12	17	21	1
165°	2	4	6	8	12	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	987.2	987.2	987.2	987.2	987.2
2.5°	994.4	991.0	979.9	987.7	983.8
5°	991.0	988.3	977.7	986.0	982.7
7.5°	984.9	982.7	973.3	982.2	978.8
10°	976.6	974.9	966.6	975.5	973.3
12.5°	966.0	965.5	957.2	967.2	965.5
15°	951.6	951.6	946.6	956.6	954.9
17.5°	936.0	936.6	932.7	943.3	942.2
20°	917.2	919.9	917.2	928.3	927.2
22.5°	896.6	900.5	899.4	910.5	911.0
25°	874.9	878.8	879.9	891.6	889.9
27.5°	851.1	857.2	859.4	869.9	869.4
30°	823.3	831.6	836.6	845.5	848.3
32.5°	794.9	804.9	811.1	823.3	826.6
35°	766.6	775.5	785.5	797.7	800.5
37.5°	735.5	745.5	758.8	770.5	773.8
40°	704.4	715.5	728.3	741.1	746.1
42.5°	672.2	683.8	697.7	712.7	717.7
45°	635.5	651.1	667.7	680.5	685.0
47.5°	600.5	617.7	635.5	649.4	654.4
50°	565.0	583.3	602.2	615.0	622.7
52.5°	527.7	547.7	566.6	582.7	587.7
55°	490.0	510.0	531.1	548.3	552.2
57.5°	453.3	472.7	493.9	510.0	517.7
60°	413.3	434.4	457.2	473.3	481.6
62.5°	374.4	395.0	419.4	436.6	443.3
65°	337.2	356.1	381.1	398.9	405.0
67.5°	296.1	317.8	341.6	362.2	370.0
70°	255.5	276.1	303.3	322.8	330.5
72.5°	217.8	237.8	265.0	284.4	291.6
75°	177.8	198.9	227.8	247.2	256.6
77.5°	139.4	162.8	190.5	211.7	222.2
80°	103.9	124.4	154.4	177.8	187.2
82.5°	70.6	92.8	123.9	145.5	156.1
85°	43.3	66.7	95.5	116.1	123.3
87.5°	20.6	42.8	69.4	89.4	98.3
90°	2.8	23.9	48.9	68.3	75.6
92.5°	0.6	20.6	45.0	63.3	70.0
95°	0.6	20.6	44.4	62.2	68.9
97.5°	0.6	20.0	43.9	61.7	67.8
100°	0.6	19.4	43.3	60.6	67.2
102.5°	0.6	19.4	42.2	59.4	65.6
105°	0.6	18.9	41.7	58.3	64.4
107.5°	0.6	18.3	40.6	57.2	63.3
110°	0.6	17.2	40.0	55.6	61.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	16.7	38.9	54.4	60.0
115°	0.6	16.1	37.8	52.8	58.3
117.5°	0.6	15.6	36.1	51.1	56.7
120°	1.1	15.6	35.0	49.4	54.4
122.5°	1.1	15.0	33.3	47.2	52.2
125°	1.1	14.4	31.7	45.6	50.6
127.5°	1.1	13.9	30.0	43.3	47.8
130°	1.1	12.8	28.9	41.1	45.6
132.5°	1.1	12.2	27.2	38.3	42.8
135°	1.1	11.1	25.6	36.1	40.6
137.5°	1.1	10.6	23.9	33.9	37.8
140°	1.1	10.0	21.7	31.7	35.6
142.5°	1.1	8.9	20.0	29.4	32.8
145°	1.1	8.3	17.8	27.2	30.0
147.5°	1.1	7.2	16.1	25.0	27.8
150°	1.1	6.7	14.4	22.8	25.6
152.5°	1.1	6.1	12.8	20.0	22.8
155°	1.1	5.6	11.7	17.2	20.6
157.5°	1.1	5.0	10.0	15.0	18.3
160°	1.7	4.4	8.9	12.8	15.6
162.5°	1.7	3.9	7.2	10.6	13.9
165°	1.7	3.9	6.1	8.3	11.7
167.5°	1.7	3.3	5.0	6.7	9.4
170°	1.7	2.8	4.4	5.0	7.2
172.5°	1.7	2.2	3.3	3.3	3.9
175°	1.7	2.2	2.8	2.8	1.7
177.5°	1.7	1.7	1.7	1.7	1.1
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)