

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: P566375

Luminaire Tested: **4SNX-41SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566375
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-L835-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

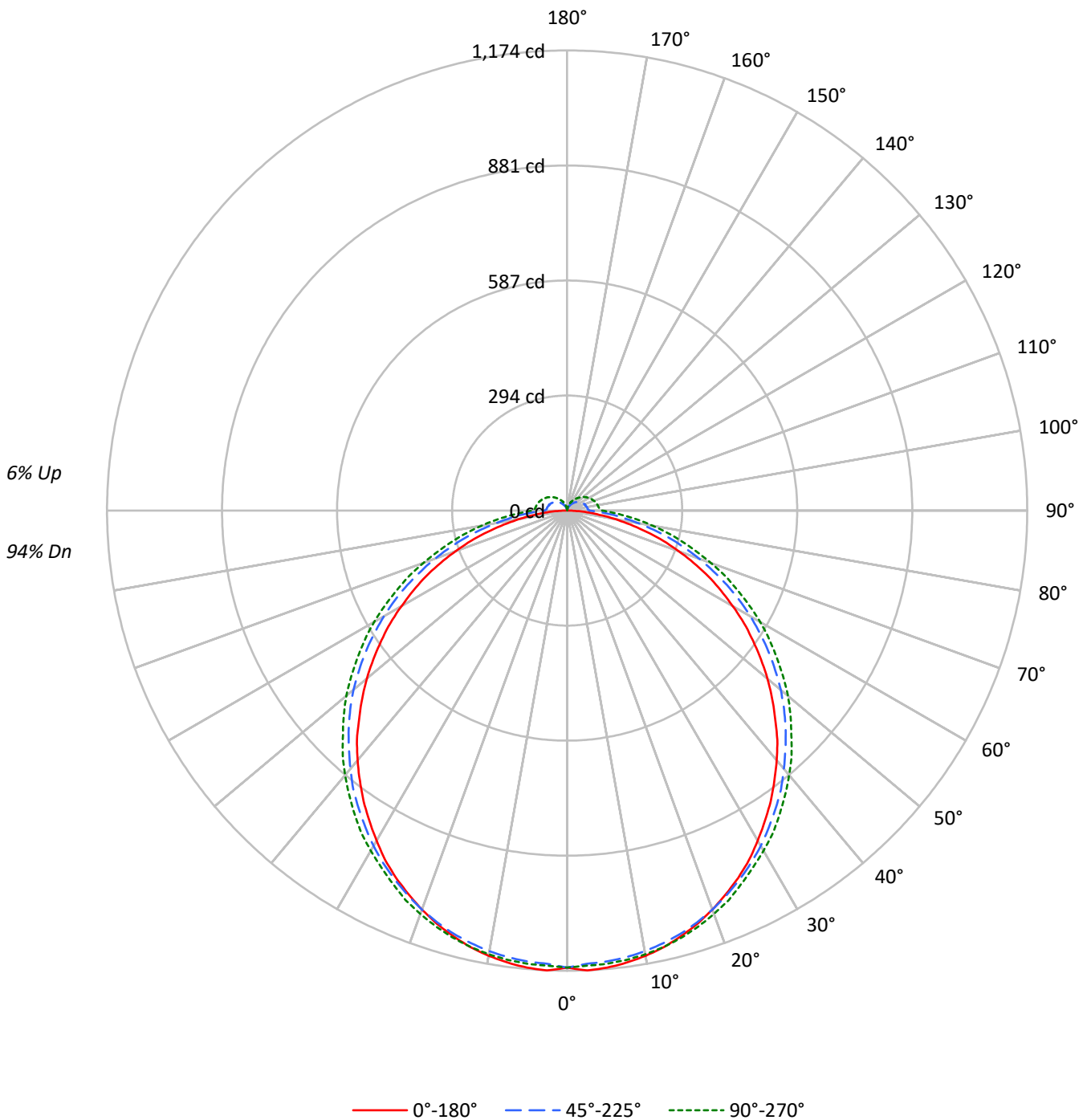
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3705.0 lumens
Efficiency: N/A
Efficacy: 140.9 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	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°	12550	12550	12550
5°	12636	12341	12360
10°	12584	12208	12205
15°	12489	12054	12031
20°	12361	11867	11826
25°	12214	11662	11583
30°	12013	11453	11360
35°	11811	11208	11125
40°	11588	10938	10862
45°	11308	10669	10556
50°	11037	10363	10275
55°	10701	9985	9886
60°	10322	9553	9502
65°	9923	9037	8974
70°	9234	8388	8427
75°	8407	7624	7772
80°	7182	6611	7046
85°	5651	5730	6194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	3.0
10°-20°	317.3	8.6
20°-30°	480.8	13.0
30°-40°	580.4	15.7
40°-50°	606.1	16.4
50°-60°	556.9	15.0
60°-70°	440.4	11.9
70°-80°	278.7	7.5
80°-90°	119.8	3.2
90°-100°	52.7	1.4
100°-110°	47.2	1.3
110°-120°	39.9	1.1
120°-130°	31.1	0.8
130°-140°	21.5	0.6
140°-150°	12.9	0.3
150°-160°	6.3	0.2
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	908.7	24.5
0°-40°	1489.1	40.2
0°-60°	2652.1	71.6
0°-90°	3491.0	94.2
90°-120°	139.8	3.8
90°-150°	205.3	5.5
90°-180°	214.0	5.8
0°-180°	3705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1170	1167	1155	1165	1161	111
15°	1124	1124	1118	1130	1128	317
25°	1033	1038	1039	1053	1051	476
35°	905	916	928	942	945	566
45°	751	769	789	804	809	580
55°	579	602	627	648	652	518
65°	398	421	450	471	478	392
75°	210	235	269	292	303	223
85°	51	79	113	137	146	57
90°	3	28	58	81	89	4
95°	1	24	52	74	81	1
105°	1	22	49	69	76	1
115°	1	19	45	62	69	1
125°	1	17	37	54	60	1
135°	1	13	30	43	48	1
145°	1	10	21	32	35	1
155°	1	7	14	20	24	1
165°	2	5	7	10	14	1
175°	2	3	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°	1165.9	1165.9	1165.9	1165.9	1165.9
2.5°	1174.4	1170.5	1157.4	1166.5	1162.0
5°	1170.5	1167.2	1154.7	1164.6	1160.6
7.5°	1163.3	1160.6	1149.5	1160.0	1156.1
10°	1153.4	1151.5	1141.6	1152.1	1149.5
12.5°	1141.0	1140.3	1130.5	1142.3	1140.3
15°	1123.9	1123.9	1118.0	1129.8	1127.8
17.5°	1105.5	1106.2	1101.6	1114.1	1112.7
20°	1083.2	1086.5	1083.2	1096.3	1095.0
22.5°	1058.9	1063.5	1062.2	1075.4	1076.0
25°	1033.4	1038.0	1039.3	1053.0	1051.1
27.5°	1005.1	1012.4	1015.0	1027.5	1026.8
30°	972.3	982.2	988.1	998.6	1001.9
32.5°	938.9	950.7	957.9	972.3	976.3
35°	905.4	915.9	927.7	942.2	945.4
37.5°	868.7	880.5	896.2	910.0	914.0
40°	831.9	845.1	860.2	875.2	881.1
42.5°	793.9	807.7	824.1	841.8	847.7
45°	750.6	769.0	788.6	803.7	809.0
47.5°	709.2	729.6	750.6	767.0	772.9
50°	667.3	688.9	711.2	726.3	735.5
52.5°	623.3	646.9	669.2	688.3	694.2
55°	578.7	602.3	627.2	647.6	652.2
57.5°	535.4	558.3	583.3	602.3	611.5
60°	488.1	513.1	540.0	559.0	568.8
62.5°	442.2	466.5	495.4	515.7	523.6
65°	398.3	420.6	450.1	471.1	478.3
67.5°	349.7	375.3	403.5	427.8	437.0
70°	301.8	326.1	358.2	381.2	390.4
72.5°	257.2	280.8	313.0	335.9	344.5
75°	210.0	234.9	269.0	292.0	303.1
77.5°	164.7	192.2	225.0	250.0	262.4
80°	122.7	147.0	182.4	210.0	221.1
82.5°	83.3	109.6	146.3	171.9	184.4
85°	51.2	78.7	112.8	137.1	145.7
87.5°	24.3	50.5	82.0	105.6	116.1
90°	3.3	28.2	57.7	80.7	89.2
92.5°	0.7	24.3	53.1	74.8	82.7
95°	0.7	24.3	52.5	73.5	81.4
97.5°	0.7	23.6	51.8	72.8	80.0
100°	0.7	23.0	51.2	71.5	79.4
102.5°	0.7	23.0	49.9	70.2	77.4
105°	0.7	22.3	49.2	68.9	76.1
107.5°	0.7	21.7	47.9	67.6	74.8
110°	0.7	20.3	47.2	65.6	72.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	19.7	45.9	64.3	70.9
115°	0.7	19.0	44.6	62.3	68.9
117.5°	0.7	18.4	42.6	60.4	66.9
120°	1.3	18.4	41.3	58.4	64.3
122.5°	1.3	17.7	39.4	55.8	61.7
125°	1.3	17.1	37.4	53.8	59.7
127.5°	1.3	16.4	35.4	51.2	56.4
130°	1.3	15.1	34.1	48.6	53.8
132.5°	1.3	14.4	32.1	45.3	50.5
135°	1.3	13.1	30.2	42.6	47.9
137.5°	1.3	12.5	28.2	40.0	44.6
140°	1.3	11.8	25.6	37.4	42.0
142.5°	1.3	10.5	23.6	34.8	38.7
145°	1.3	9.8	21.0	32.1	35.4
147.5°	1.3	8.5	19.0	29.5	32.8
150°	1.3	7.9	17.1	26.9	30.2
152.5°	1.3	7.2	15.1	23.6	26.9
155°	1.3	6.6	13.8	20.3	24.3
157.5°	1.3	5.9	11.8	17.7	21.7
160°	2.0	5.2	10.5	15.1	18.4
162.5°	2.0	4.6	8.5	12.5	16.4
165°	2.0	4.6	7.2	9.8	13.8
167.5°	2.0	3.9	5.9	7.9	11.2
170°	2.0	3.3	5.2	5.9	8.5
172.5°	2.0	2.6	3.9	3.9	4.6
175°	2.0	2.6	3.3	3.3	2.0
177.5°	2.0	2.0	2.0	2.0	1.3
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)