

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: P566140

Luminaire Tested: **4SNX-22SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566140
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-22SL-FDL-UNV-L940-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

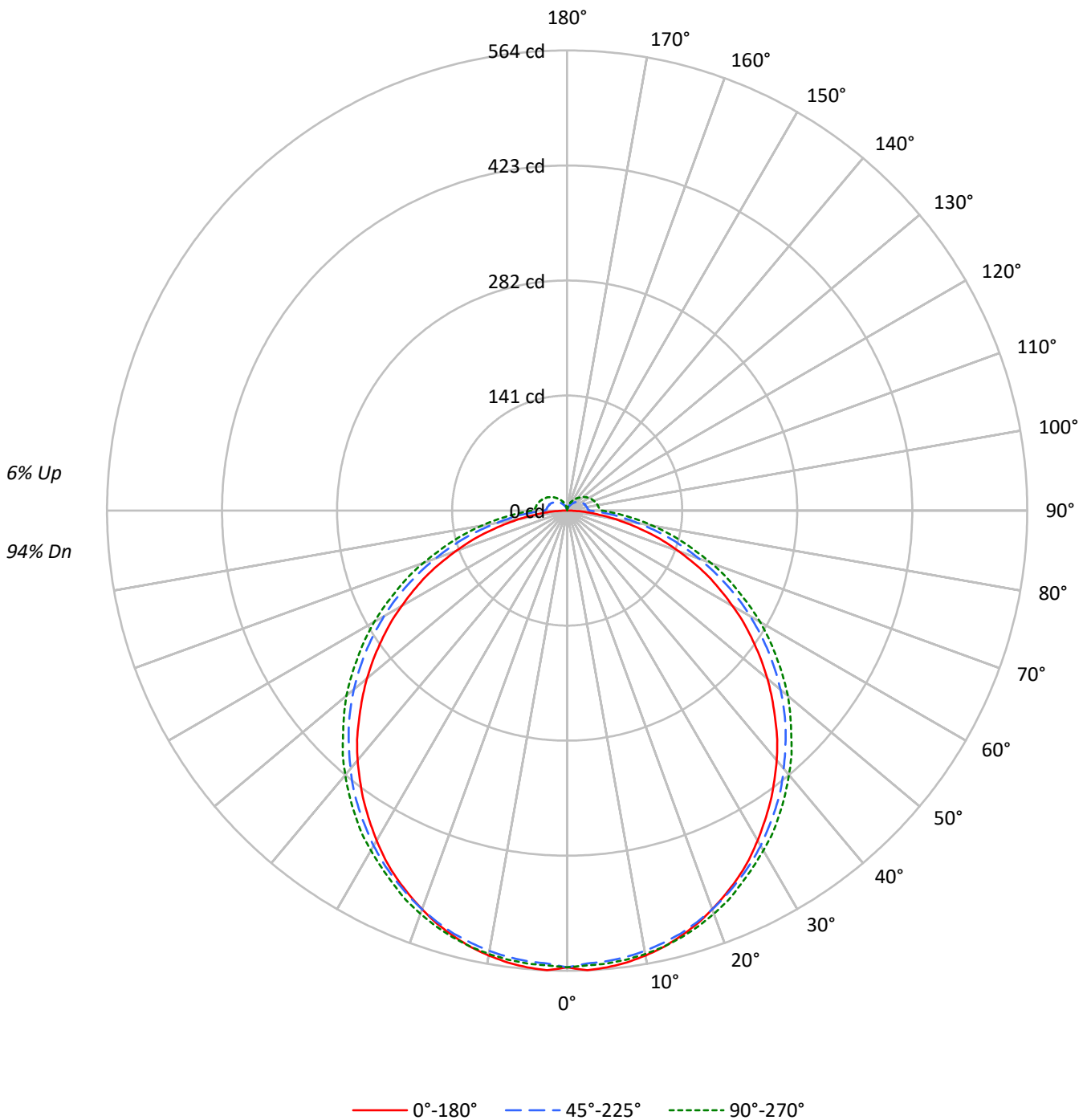
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1779.0 lumens
Efficiency: N/A
Efficacy: 128.9 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): 13.8
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

TEST NUMBER: P566140
CATALOG NUMBER: 4SNX-22SL-FDL-UNV-L940-CD

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°	6026	6026	6026
5°	6067	5926	5935
10°	6042	5862	5860
15°	5997	5788	5776
20°	5935	5698	5678
25°	5865	5600	5562
30°	5768	5499	5455
35°	5671	5382	5342
40°	5565	5251	5216
45°	5430	5123	5068
50°	5300	4976	4934
55°	5139	4795	4746
60°	4957	4587	4562
65°	4763	4339	4310
70°	4433	4028	4045
75°	4035	3662	3731
80°	3447	3175	3384
85°	2715	2753	2972



TEST NUMBER: P566140

CATALOG NUMBER: 4SNX-22SL-FDL-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	3.0
10°-20°	152.3	8.6
20°-30°	230.9	13.0
30°-40°	278.7	15.7
40°-50°	291.0	16.4
50°-60°	267.4	15.0
60°-70°	211.4	11.9
70°-80°	133.8	7.5
80°-90°	57.5	3.2
90°-100°	25.3	1.4
100°-110°	22.6	1.3
110°-120°	19.1	1.1
120°-130°	14.9	0.8
130°-140°	10.3	0.6
140°-150°	6.2	0.3
150°-160°	3.0	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	436.3	24.5
0°-40°	715.0	40.2
0°-60°	1273.4	71.6
0°-90°	1676.2	94.2
90°-120°	67.1	3.8
90°-150°	98.5	5.5
90°-180°	103.0	5.8
0°-180°	1779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	560	560	560	560	560	
5°	562	560	554	559	557	53
15°	540	540	537	542	542	152
25°	496	498	499	506	505	228
35°	435	440	446	452	454	272
45°	360	369	379	386	388	278
55°	278	289	301	311	313	249
65°	191	202	216	226	230	188
75°	101	113	129	140	146	107
85°	25	38	54	66	70	27
90°	2	14	28	39	43	2
95°	0	12	25	35	39	0
105°	0	11	24	33	36	0
115°	0	9	21	30	33	0
125°	1	8	18	26	29	1
135°	1	6	14	20	23	0
145°	1	5	10	15	17	0
155°	1	3	7	10	12	0
165°	1	2	4	5	7	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566140

CATALOG NUMBER: 4SNX-22SL-FDL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	559.8	559.8	559.8	559.8	559.8
2.5°	563.9	562.0	555.7	560.1	557.9
5°	562.0	560.4	554.5	559.2	557.3
7.5°	558.6	557.3	551.9	557.0	555.1
10°	553.8	552.9	548.2	553.2	551.9
12.5°	547.8	547.5	542.8	548.5	547.5
15°	539.7	539.7	536.8	542.5	541.5
17.5°	530.8	531.1	528.9	534.9	534.3
20°	520.1	521.7	520.1	526.4	525.8
22.5°	508.5	510.7	510.0	516.3	516.7
25°	496.2	498.4	499.0	505.6	504.7
27.5°	482.6	486.1	487.4	493.3	493.0
30°	466.9	471.6	474.4	479.5	481.1
32.5°	450.8	456.5	460.0	466.9	468.8
35°	434.7	439.8	445.5	452.4	454.0
37.5°	417.1	422.8	430.3	437.0	438.8
40°	399.5	405.8	413.0	420.3	423.1
42.5°	381.2	387.8	395.7	404.2	407.0
45°	360.4	369.2	378.7	385.9	388.4
47.5°	340.6	350.3	360.4	368.3	371.1
50°	320.4	330.8	341.5	348.7	353.2
52.5°	299.3	310.6	321.3	330.5	333.3
55°	277.9	289.2	301.2	310.9	313.1
57.5°	257.1	268.1	280.1	289.2	293.6
60°	234.4	246.4	259.3	268.4	273.1
62.5°	212.3	224.0	237.9	247.6	251.4
65°	191.2	201.9	216.1	226.2	229.7
67.5°	167.9	180.2	193.7	205.4	209.8
70°	144.9	156.6	172.0	183.0	187.4
72.5°	123.5	134.8	150.3	161.3	165.4
75°	100.8	112.8	129.2	140.2	145.5
77.5°	79.1	92.3	108.1	120.0	126.0
80°	58.9	70.6	87.6	100.8	106.2
82.5°	40.0	52.6	70.3	82.5	88.5
85°	24.6	37.8	54.2	65.8	69.9
87.5°	11.7	24.3	39.4	50.7	55.8
90°	1.6	13.5	27.7	38.7	42.8
92.5°	0.3	11.7	25.5	35.9	39.7
95°	0.3	11.7	25.2	35.3	39.1
97.5°	0.3	11.3	24.9	35.0	38.4
100°	0.3	11.0	24.6	34.3	38.1
102.5°	0.3	11.0	23.9	33.7	37.2
105°	0.3	10.7	23.6	33.1	36.5
107.5°	0.3	10.4	23.0	32.4	35.9
110°	0.3	9.8	22.7	31.5	35.0



TEST NUMBER: P566140

CATALOG NUMBER: 4SNX-22SL-FDL-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	9.5	22.1	30.9	34.0
115°	0.3	9.1	21.4	29.9	33.1
117.5°	0.3	8.8	20.5	29.0	32.1
120°	0.6	8.8	19.8	28.0	30.9
122.5°	0.6	8.5	18.9	26.8	29.6
125°	0.6	8.2	18.0	25.8	28.7
127.5°	0.6	7.9	17.0	24.6	27.1
130°	0.6	7.2	16.4	23.3	25.8
132.5°	0.6	6.9	15.4	21.7	24.3
135°	0.6	6.3	14.5	20.5	23.0
137.5°	0.6	6.0	13.5	19.2	21.4
140°	0.6	5.7	12.3	18.0	20.2
142.5°	0.6	5.0	11.3	16.7	18.6
145°	0.6	4.7	10.1	15.4	17.0
147.5°	0.6	4.1	9.1	14.2	15.8
150°	0.6	3.8	8.2	12.9	14.5
152.5°	0.6	3.5	7.2	11.3	12.9
155°	0.6	3.2	6.6	9.8	11.7
157.5°	0.6	2.8	5.7	8.5	10.4
160°	0.9	2.5	5.0	7.2	8.8
162.5°	0.9	2.2	4.1	6.0	7.9
165°	0.9	2.2	3.5	4.7	6.6
167.5°	0.9	1.9	2.8	3.8	5.4
170°	0.9	1.6	2.5	2.8	4.1
172.5°	0.9	1.3	1.9	1.9	2.2
175°	0.9	1.3	1.6	1.6	0.9
177.5°	0.9	0.9	0.9	0.9	0.6
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)