

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: P566292

Luminaire Tested: **4SNX-33SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-33SL-LC-UNV-L940-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

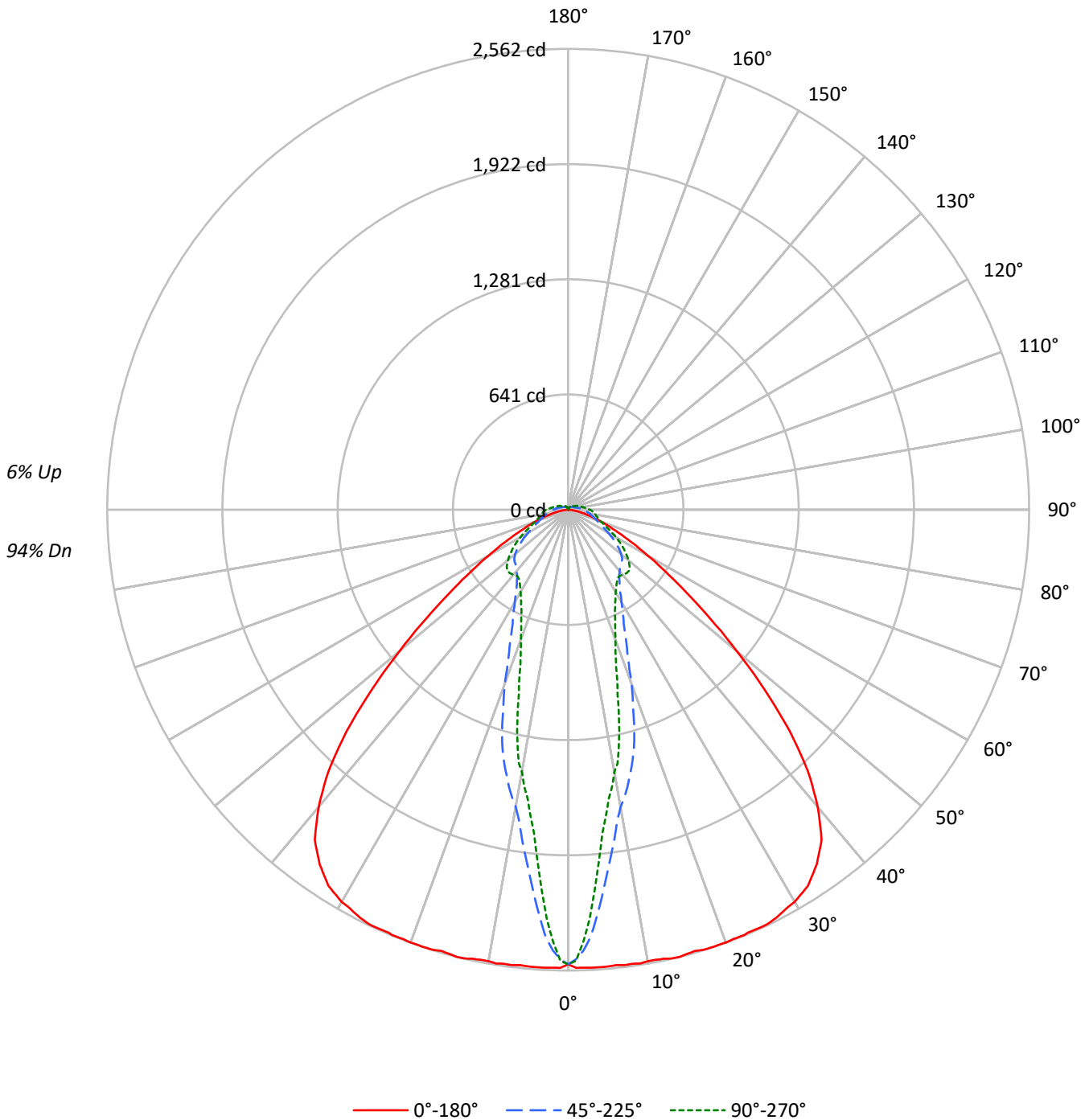
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3115.0 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 21.1
Input Voltage (V): NR
Input Current (Ain): 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	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27200	27200	27200
5°	27446	22341	19997
10°	27662	16866	14473
15°	28166	13786	10022
20°	28893	9976	7078
25°	29794	7147	5568
30°	30555	5709	4742
35°	30736	4830	4247
40°	29302	4391	4258
45°	25428	4242	4374
50°	19508	4034	4082
55°	14138	3528	3621
60°	10256	2944	3062
65°	7465	2489	2511
70°	5501	2199	2165
75°	3909	2036	2017
80°	2562	1906	1988
85°	1205	1818	1990



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.7	6.4
10°-20°	431.6	13.9
20°-30°	494.0	15.9
30°-40°	494.9	15.9
40°-50°	468.4	15.0
50°-60°	359.3	11.5
60°-70°	231.6	7.4
70°-80°	147.7	4.7
80°-90°	98.1	3.1
90°-100°	65.9	2.1
100°-110°	43.4	1.4
110°-120°	30.2	1.0
120°-130°	21.1	0.7
130°-140°	14.6	0.5
140°-150°	9.0	0.3
150°-160°	4.6	0.1
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1124.3	36.1
0°-40°	1619.1	52.0
0°-60°	2446.8	78.5
0°-90°	2924.1	93.9
90°-120°	139.6	4.5
90°-150°	184.2	5.9
90°-180°	191.0	6.1
0°-180°	3115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2527	2527	2527	2527	2527	
5°	2549	2409	2158	2013	1959	243
15°	2556	1841	1403	1153	1060	725
25°	2557	1303	742	645	615	1179
35°	2407	725	496	480	474	1494
45°	1740	458	418	463	479	1323
55°	798	327	322	362	377	734
65°	319	206	203	232	240	328
75°	109	112	140	161	169	119
85°	14	51	99	129	139	20
90°	0	35	83	115	120	1
95°	0	26	69	94	99	0
105°	0	19	45	64	69	1
115°	2	16	34	46	50	2
125°	2	14	29	34	35	1
135°	2	11	22	27	29	1
145°	2	8	16	21	22	1
155°	2	5	10	14	16	1
165°	3	3	6	8	10	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2527.0	2527.0	2527.0	2527.0	2527.0
1°	2547.8	2533.4	2499.9	2509.5	2507.9
2°	2547.8	2517.5	2452.0	2432.9	2404.1
3°	2549.4	2490.3	2378.6	2316.3	2276.4
4°	2549.4	2450.4	2270.0	2166.3	2115.2
5°	2549.4	2408.9	2158.3	2013.0	1958.7
6°	2546.2	2359.4	2044.9	1891.7	1810.3
7°	2551.0	2305.1	1942.8	1778.3	1714.5
8°	2549.4	2241.3	1848.6	1692.1	1621.9
9°	2554.2	2179.0	1746.4	1610.7	1558.0
10°	2549.4	2121.6	1679.4	1534.1	1479.8
11°	2549.4	2065.7	1631.5	1484.6	1438.3
12°	2552.6	2001.8	1578.8	1414.4	1350.5
13°	2560.6	1936.4	1518.1	1337.8	1262.7
14°	2562.2	1886.9	1462.3	1240.4	1162.2
15°	2555.8	1840.6	1403.2	1152.6	1060.0
16°	2552.6	1792.7	1333.0	1069.6	986.6
17°	2559.0	1736.8	1253.1	985.0	908.3
18°	2560.6	1685.8	1168.5	921.1	854.1
19°	2560.6	1645.8	1099.9	862.0	804.6
20°	2560.6	1607.5	1029.7	817.3	767.8
21°	2557.4	1559.6	949.8	771.0	729.5
22.5°	2559.0	1470.2	858.8	716.8	683.2
23°	2554.2	1447.9	836.5	702.4	667.3
24°	2555.8	1384.0	788.6	673.7	640.1
25°	2557.4	1302.6	742.3	644.9	614.6
26°	2554.2	1237.2	704.0	617.8	597.0
27°	2546.2	1184.5	676.9	595.4	576.3
28°	2535.0	1114.3	648.1	576.3	558.7
29°	2523.8	1034.4	619.4	555.5	542.8
30°	2517.5	970.6	592.2	539.6	528.4
32.5°	2479.1	844.5	536.4	507.6	498.1
35°	2407.3	724.7	496.5	480.5	474.1
37.5°	2313.1	632.2	466.1	462.9	464.5
40°	2158.3	558.7	443.8	458.2	472.5
42.5°	1973.1	501.3	427.8	462.9	478.9
45°	1740.0	458.2	418.2	462.9	478.9
47.5°	1481.4	423.0	407.1	447.0	462.9
50°	1222.8	391.1	384.7	423.0	437.4
52.5°	994.5	360.8	356.0	392.7	407.1
55°	798.2	327.3	322.5	362.4	376.7
57.5°	640.1	295.3	290.5	327.3	341.6
60°	510.8	263.4	255.4	292.1	306.5
62.5°	407.1	233.1	228.3	260.2	273.0
65°	319.3	205.9	202.7	231.5	239.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	252.2	180.4	182.0	205.9	215.5
70°	194.8	156.4	166.0	188.4	194.8
72.5°	146.9	132.5	153.3	172.4	180.4
75°	108.6	111.7	140.5	161.2	169.2
77.5°	75.0	92.6	129.3	151.7	159.6
80°	51.1	75.0	118.1	143.7	153.3
82.5°	30.3	62.3	108.6	135.7	146.9
85°	14.4	51.1	99.0	129.3	138.9
87.5°	4.8	41.5	89.4	122.9	130.9
90°	0.0	35.1	83.0	114.9	119.7
92.5°	0.0	30.3	75.0	105.4	108.6
95°	0.0	25.5	68.6	94.2	99.0
97.5°	0.0	23.9	63.9	84.6	91.0
100°	0.0	22.3	57.5	76.6	83.0
102.5°	0.0	19.2	51.1	68.6	75.0
105°	0.0	19.2	44.7	63.9	68.6
107.5°	1.6	17.6	41.5	57.5	63.9
110°	1.6	17.6	36.7	54.3	59.1
112.5°	1.6	17.6	35.1	49.5	55.9
115°	1.6	16.0	33.5	46.3	49.5
117.5°	1.6	16.0	31.9	41.5	44.7
120°	1.6	14.4	30.3	38.3	39.9
122.5°	1.6	14.4	28.7	35.1	36.7
125°	1.6	14.4	28.7	33.5	35.1
127.5°	1.6	12.8	27.1	31.9	31.9
130°	1.6	12.8	25.5	30.3	30.3
132.5°	1.6	11.2	23.9	28.7	30.3
135°	1.6	11.2	22.3	27.1	28.7
137.5°	1.6	9.6	20.8	25.5	27.1
140°	1.6	9.6	19.2	23.9	25.5
142.5°	1.6	8.0	17.6	22.3	23.9
145°	1.6	8.0	16.0	20.8	22.3
147.5°	1.6	8.0	14.4	19.2	20.8
150°	1.6	6.4	12.8	17.6	19.2
152.5°	1.6	6.4	11.2	16.0	17.6
155°	1.6	4.8	9.6	14.4	16.0
157.5°	1.6	4.8	9.6	12.8	14.4
160°	3.2	4.8	8.0	11.2	12.8
162.5°	1.6	3.2	8.0	9.6	11.2
165°	3.2	3.2	6.4	8.0	9.6
167.5°	3.2	3.2	4.8	6.4	8.0
170°	3.2	3.2	4.8	4.8	6.4
172.5°	3.2	3.2	3.2	4.8	3.2
175°	3.2	3.2	3.2	3.2	1.6
177.5°	3.2	3.2	3.2	3.2	1.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)