

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: P566301

Luminaire Tested: **4SNX-33SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566301
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: 4SNX-33SL-LN-UNV-L950-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

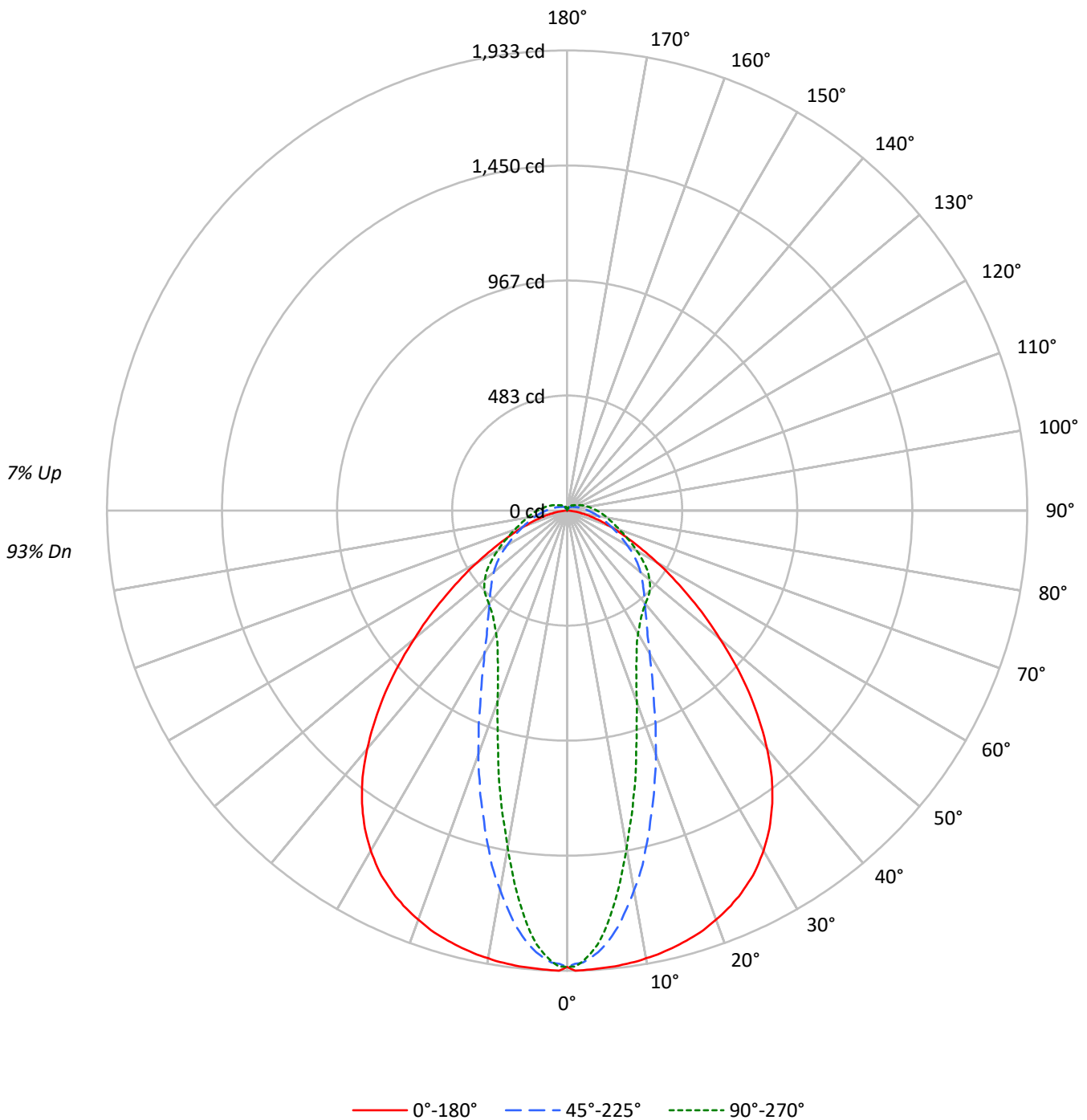
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3055.9 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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	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	68	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°	20636	20636	20636
5°	20742	18966	18151
10°	20714	16262	14082
15°	20704	13266	10554
20°	20638	10567	7899
25°	20451	8281	6269
30°	20023	6702	5347
35°	19181	5672	4864
40°	17743	5007	4604
45°	15775	4581	4462
50°	13363	4215	4215
55°	10978	3819	3849
60°	8778	3360	3376
65°	6815	2950	2938
70°	5292	2609	2598
75°	4092	2345	2368
80°	2893	2145	2202
85°	1606	2000	2110



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	5.6
10°-20°	398.0	13.0
20°-30°	472.4	15.5
30°-40°	475.3	15.6
40°-50°	441.8	14.5
50°-60°	363.8	11.9
60°-70°	256.3	8.4
70°-80°	167.5	5.5
80°-90°	106.9	3.5
90°-100°	70.1	2.3
100°-110°	47.6	1.6
110°-120°	32.6	1.1
120°-130°	22.5	0.7
130°-140°	15.2	0.5
140°-150°	9.4	0.3
150°-160°	4.9	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1040.1	34.0
0°-40°	1515.4	49.6
0°-60°	2320.9	75.9
0°-90°	2851.6	93.3
90°-120°	150.3	4.9
90°-150°	197.4	6.5
90°-180°	204.0	6.7
0°-180°	3055.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1917	1917	1917	1917	1917	
5°	1927	1901	1832	1797	1778	183
15°	1879	1678	1350	1180	1116	531
25°	1755	1297	860	722	692	808
35°	1502	878	583	546	543	934
45°	1080	578	452	476	488	829
55°	620	380	349	388	400	560
65°	292	229	240	271	280	296
75°	114	118	162	191	199	123
85°	19	54	109	141	147	24
90°	0	37	88	120	125	1
95°	0	27	74	101	106	0
105°	0	19	50	70	77	0
115°	2	16	35	51	54	1
125°	2	13	29	37	40	1
135°	2	11	22	29	30	1
145°	2	8	16	22	24	1
155°	2	6	11	16	18	1
165°	2	3	6	8	10	0
175°	3	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°	1917.1	1917.1	1917.1	1917.1	1917.1
1°	1933.1	1925.1	1904.3	1918.7	1915.5
2°	1931.5	1923.5	1899.5	1905.9	1894.7
3°	1929.9	1918.7	1881.9	1880.3	1864.3
4°	1928.3	1910.7	1859.5	1840.2	1827.4
5°	1926.7	1901.1	1832.2	1797.0	1777.8
6°	1925.1	1889.9	1797.0	1744.1	1716.9
7°	1921.9	1872.3	1760.2	1688.1	1652.9
8°	1918.7	1856.3	1713.7	1627.2	1584.0
9°	1915.5	1835.4	1667.3	1561.6	1510.3
10°	1909.1	1814.6	1619.2	1494.3	1439.8
11°	1905.9	1790.6	1572.8	1430.2	1366.2
12°	1899.5	1765.0	1523.1	1363.0	1306.9
13°	1893.1	1737.7	1462.3	1305.3	1238.0
14°	1886.7	1708.9	1409.4	1241.2	1178.8
15°	1878.7	1678.5	1350.2	1180.4	1116.3
16°	1870.7	1643.2	1297.3	1117.9	1050.7
17°	1862.7	1609.6	1247.6	1060.3	999.4
18°	1853.1	1576.0	1190.0	1004.2	944.9
19°	1840.2	1537.5	1143.5	953.0	898.5
20°	1829.0	1502.3	1090.7	904.9	856.9
21°	1816.2	1459.1	1037.8	860.1	812.0
22.5°	1797.0	1398.2	970.6	804.0	759.2
23°	1787.4	1380.6	943.3	783.2	744.7
24°	1774.6	1334.1	898.5	751.2	712.7
25°	1755.4	1297.3	860.1	722.3	691.9
26°	1737.7	1252.5	821.6	696.7	666.3
27°	1720.1	1209.2	788.0	669.5	643.8
28°	1697.7	1164.4	751.2	647.0	624.6
29°	1673.7	1122.7	720.7	627.8	610.2
30°	1649.7	1076.3	695.1	610.2	595.8
32.5°	1582.4	973.8	629.4	576.6	567.0
35°	1502.3	877.7	583.0	546.1	542.9
37.5°	1412.6	789.6	541.3	522.1	525.3
40°	1306.9	709.5	506.1	504.5	510.9
42.5°	1194.8	640.6	478.9	490.1	499.7
45°	1079.5	578.2	451.7	475.7	488.5
47.5°	959.4	523.7	427.6	458.1	472.5
50°	837.6	470.9	402.0	437.2	451.7
52.5°	728.7	424.4	376.4	413.2	429.2
55°	619.8	379.6	349.1	387.6	400.4
57.5°	525.3	337.9	320.3	358.8	368.4
60°	437.2	297.9	291.5	326.7	337.9
62.5°	357.2	262.7	264.3	297.9	309.1
65°	291.5	229.0	240.2	270.7	280.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	237.0	197.0	216.2	248.2	256.3
70°	187.4	168.2	197.0	225.8	233.8
72.5°	148.9	142.5	177.8	208.2	214.6
75°	113.7	118.5	161.8	190.6	198.6
77.5°	81.7	99.3	145.7	176.2	182.6
80°	57.7	81.7	132.9	163.4	169.8
82.5°	36.8	67.3	120.1	152.2	158.6
85°	19.2	54.5	108.9	140.9	147.3
87.5°	8.0	44.8	97.7	129.7	136.1
90°	0.0	36.8	88.1	120.1	124.9
92.5°	0.0	32.0	80.1	110.5	115.3
95°	0.0	27.2	73.7	100.9	105.7
97.5°	0.0	25.6	65.7	92.9	97.7
100°	0.0	22.4	59.3	84.9	91.3
102.5°	0.0	20.8	54.5	76.9	83.3
105°	0.0	19.2	49.6	70.5	76.9
107.5°	0.0	17.6	46.4	65.7	70.5
110°	0.0	17.6	41.6	60.9	65.7
112.5°	1.6	16.0	38.4	54.5	59.3
115°	1.6	16.0	35.2	51.3	54.5
117.5°	1.6	16.0	33.6	46.4	49.6
120°	1.6	14.4	32.0	43.2	46.4
122.5°	1.6	14.4	30.4	40.0	41.6
125°	1.6	12.8	28.8	36.8	40.0
127.5°	1.6	12.8	27.2	35.2	36.8
130°	1.6	12.8	25.6	32.0	35.2
132.5°	1.6	11.2	24.0	30.4	32.0
135°	1.6	11.2	22.4	28.8	30.4
137.5°	1.6	9.6	20.8	27.2	28.8
140°	1.6	9.6	19.2	25.6	27.2
142.5°	1.6	8.0	17.6	24.0	25.6
145°	1.6	8.0	16.0	22.4	24.0
147.5°	1.6	8.0	14.4	20.8	22.4
150°	1.6	6.4	12.8	19.2	20.8
152.5°	1.6	6.4	11.2	17.6	19.2
155°	1.6	6.4	11.2	16.0	17.6
157.5°	1.6	4.8	9.6	12.8	16.0
160°	1.6	4.8	8.0	11.2	14.4
162.5°	1.6	4.8	8.0	9.6	11.2
165°	1.6	3.2	6.4	8.0	9.6
167.5°	1.6	3.2	4.8	6.4	8.0
170°	1.6	3.2	4.8	4.8	6.4
172.5°	1.6	3.2	3.2	3.2	3.2
175°	3.2	3.2	3.2	3.2	1.6
177.5°	3.2	3.2	3.2	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)