

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: P566296

Luminaire Tested: **4SNX-33SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566296
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-L840-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

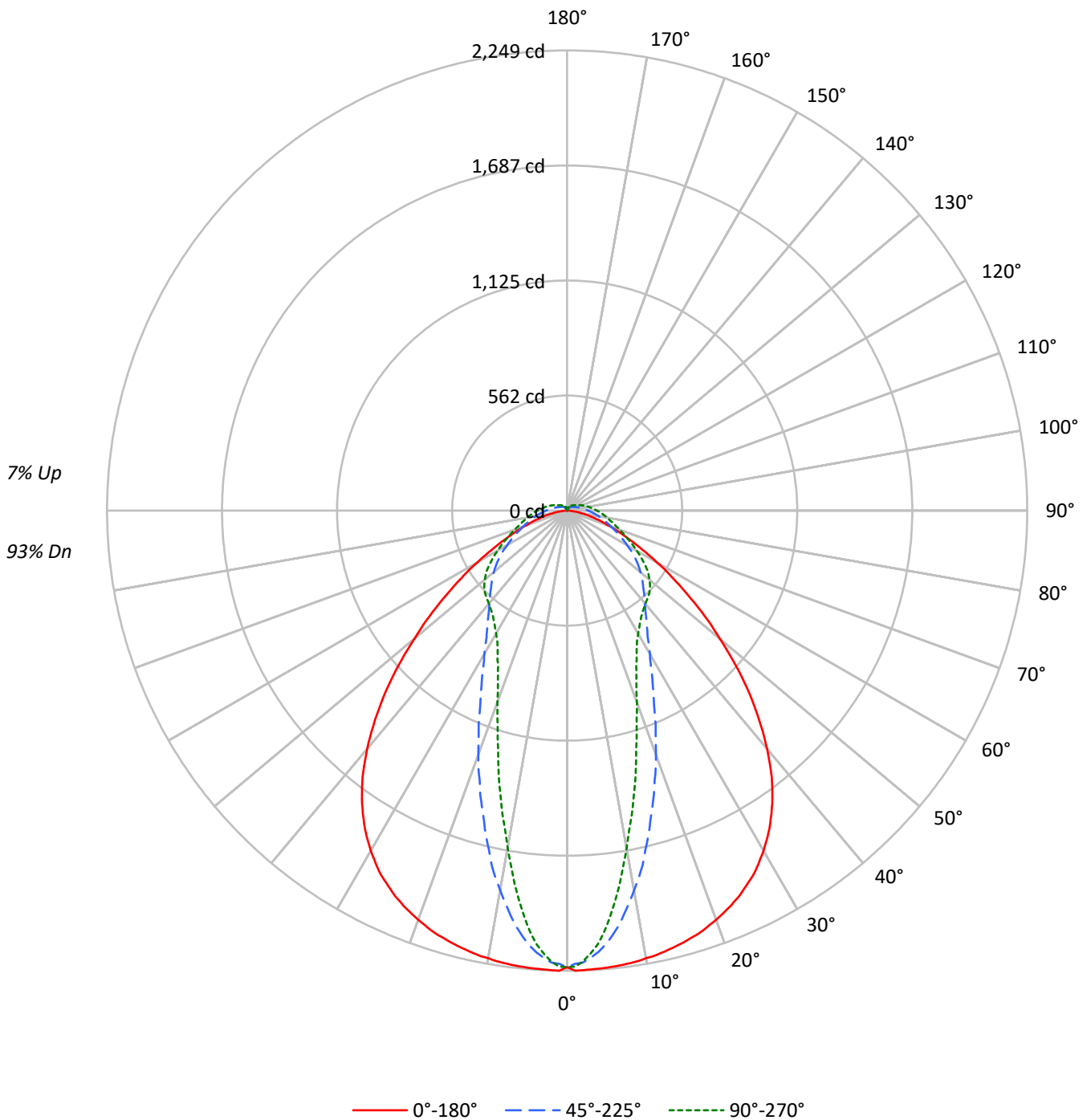
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3556.0 lumens
Efficiency: N/A
Efficacy: 168.5 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 (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	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	67	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°	24012	24012	24012
5°	24137	22069	21119
10°	24104	18922	16386
15°	24092	15436	12282
20°	24015	12296	9191
25°	23797	9636	7294
30°	23298	7798	6222
35°	22319	6600	5660
40°	20646	5826	5357
45°	18356	5330	5191
50°	15550	4905	4904
55°	12774	4445	4479
60°	10216	3910	3928
65°	7931	3432	3418
70°	6156	3036	3024
75°	4762	2728	2755
80°	3364	2497	2561
85°	1874	2327	2457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.5	5.6
10°-20°	463.1	13.0
20°-30°	549.7	15.5
30°-40°	553.0	15.6
40°-50°	514.1	14.5
50°-60°	423.3	11.9
60°-70°	298.3	8.4
70°-80°	194.9	5.5
80°-90°	124.4	3.5
90°-100°	81.6	2.3
100°-110°	55.4	1.6
110°-120°	38.0	1.1
120°-130°	26.3	0.7
130°-140°	17.7	0.5
140°-150°	10.9	0.3
150°-160°	5.7	0.2
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1210.3	34.0
0°-40°	1763.3	49.6
0°-60°	2700.6	75.9
0°-90°	3318.2	93.3
90°-120°	175.0	4.9
90°-150°	229.8	6.5
90°-180°	238.0	6.7
0°-180°	3556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2231	2231	2231	2231	2231	
5°	2242	2212	2132	2091	2069	213
15°	2186	1953	1571	1374	1299	617
25°	2043	1510	1001	840	805	940
35°	1748	1021	678	636	632	1087
45°	1256	673	526	554	568	964
55°	721	442	406	451	466	651
65°	339	266	280	315	326	344
75°	132	138	188	222	231	143
85°	22	63	127	164	172	28
90°	0	43	102	140	145	1
95°	0	32	86	117	123	0
105°	0	22	58	82	90	0
115°	2	19	41	60	63	2
125°	2	15	34	43	47	2
135°	2	13	26	34	35	1
145°	2	9	19	26	28	1
155°	2	8	13	19	20	1
165°	2	4	8	9	11	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2230.8	2230.8	2230.8	2230.8	2230.8
1°	2249.4	2240.1	2215.9	2232.6	2228.9
2°	2247.6	2238.2	2210.3	2217.7	2204.7
3°	2245.7	2232.6	2189.8	2187.9	2169.3
4°	2243.8	2223.3	2163.7	2141.3	2126.4
5°	2242.0	2212.1	2132.0	2091.0	2068.6
6°	2240.1	2199.1	2091.0	2029.5	1997.8
7°	2236.4	2178.6	2048.1	1964.3	1923.3
8°	2232.6	2160.0	1994.1	1893.5	1843.1
9°	2228.9	2135.7	1940.1	1817.1	1757.4
10°	2221.5	2111.5	1884.1	1738.8	1675.4
11°	2217.7	2083.6	1830.1	1664.2	1589.7
12°	2210.3	2053.7	1772.3	1586.0	1520.7
13°	2202.8	2022.1	1701.5	1518.9	1440.6
14°	2195.4	1988.5	1640.0	1444.3	1371.6
15°	2186.1	1953.1	1571.1	1373.5	1299.0
16°	2176.7	1912.1	1509.6	1300.8	1222.6
17°	2167.4	1873.0	1451.8	1233.7	1162.9
18°	2156.2	1833.8	1384.7	1168.5	1099.6
19°	2141.3	1789.1	1330.6	1108.9	1045.5
20°	2128.3	1748.1	1269.1	1053.0	997.1
21°	2113.4	1697.8	1207.6	1000.8	944.9
22.5°	2091.0	1627.0	1129.4	935.6	883.4
23°	2079.8	1606.5	1097.7	911.3	866.6
24°	2064.9	1552.4	1045.5	874.1	829.3
25°	2042.6	1509.6	1000.8	840.5	805.1
26°	2022.1	1457.4	956.1	810.7	775.3
27°	2001.6	1407.1	916.9	779.0	749.2
28°	1975.5	1354.9	874.1	752.9	726.8
29°	1947.5	1306.4	838.6	730.5	710.0
30°	1919.6	1252.4	808.8	710.0	693.3
32.5°	1841.3	1133.1	732.4	670.9	659.7
35°	1748.1	1021.3	678.4	635.5	631.8
37.5°	1643.7	918.8	629.9	607.5	611.3
40°	1520.7	825.6	588.9	587.0	594.5
42.5°	1390.3	745.5	557.2	570.3	581.5
45°	1256.1	672.8	525.5	553.5	568.4
47.5°	1116.3	609.4	497.6	533.0	549.8
50°	974.7	547.9	467.8	508.8	525.5
52.5°	848.0	493.9	438.0	480.8	499.5
55°	721.2	441.7	406.3	451.0	465.9
57.5°	611.3	393.2	372.7	417.5	428.6
60°	508.8	346.6	339.2	380.2	393.2
62.5°	415.6	305.6	307.5	346.6	359.7
65°	339.2	266.5	279.5	315.0	326.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	275.8	229.2	251.6	288.9	298.2
70°	218.0	195.7	229.2	262.8	272.1
72.5°	173.3	165.9	206.9	242.3	249.7
75°	132.3	137.9	188.2	221.8	231.1
77.5°	95.0	115.5	169.6	205.0	212.5
80°	67.1	95.0	154.7	190.1	197.5
82.5°	42.9	78.3	139.8	177.0	184.5
85°	22.4	63.4	126.7	164.0	171.5
87.5°	9.3	52.2	113.7	151.0	158.4
90°	0.0	42.9	102.5	139.8	145.4
92.5°	0.0	37.3	93.2	128.6	134.2
95°	0.0	31.7	85.7	117.4	123.0
97.5°	0.0	29.8	76.4	108.1	113.7
100°	0.0	26.1	69.0	98.8	106.2
102.5°	0.0	24.2	63.4	89.5	96.9
105°	0.0	22.4	57.8	82.0	89.5
107.5°	0.0	20.5	54.0	76.4	82.0
110°	0.0	20.5	48.5	70.8	76.4
112.5°	1.9	18.6	44.7	63.4	69.0
115°	1.9	18.6	41.0	59.6	63.4
117.5°	1.9	18.6	39.1	54.0	57.8
120°	1.9	16.8	37.3	50.3	54.0
122.5°	1.9	16.8	35.4	46.6	48.5
125°	1.9	14.9	33.5	42.9	46.6
127.5°	1.9	14.9	31.7	41.0	42.9
130°	1.9	14.9	29.8	37.3	41.0
132.5°	1.9	13.0	28.0	35.4	37.3
135°	1.9	13.0	26.1	33.5	35.4
137.5°	1.9	11.2	24.2	31.7	33.5
140°	1.9	11.2	22.4	29.8	31.7
142.5°	1.9	9.3	20.5	28.0	29.8
145°	1.9	9.3	18.6	26.1	28.0
147.5°	1.9	9.3	16.8	24.2	26.1
150°	1.9	7.5	14.9	22.4	24.2
152.5°	1.9	7.5	13.0	20.5	22.4
155°	1.9	7.5	13.0	18.6	20.5
157.5°	1.9	5.6	11.2	14.9	18.6
160°	1.9	5.6	9.3	13.0	16.8
162.5°	1.9	5.6	9.3	11.2	13.0
165°	1.9	3.7	7.5	9.3	11.2
167.5°	1.9	3.7	5.6	7.5	9.3
170°	1.9	3.7	5.6	5.6	7.5
172.5°	1.9	3.7	3.7	3.7	3.7
175°	3.7	3.7	3.7	3.7	1.9
177.5°	3.7	3.7	3.7	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)