

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: P566582

Luminaire Tested: **4SNX-57SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566582
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-57SL-LN-UNV-L830-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

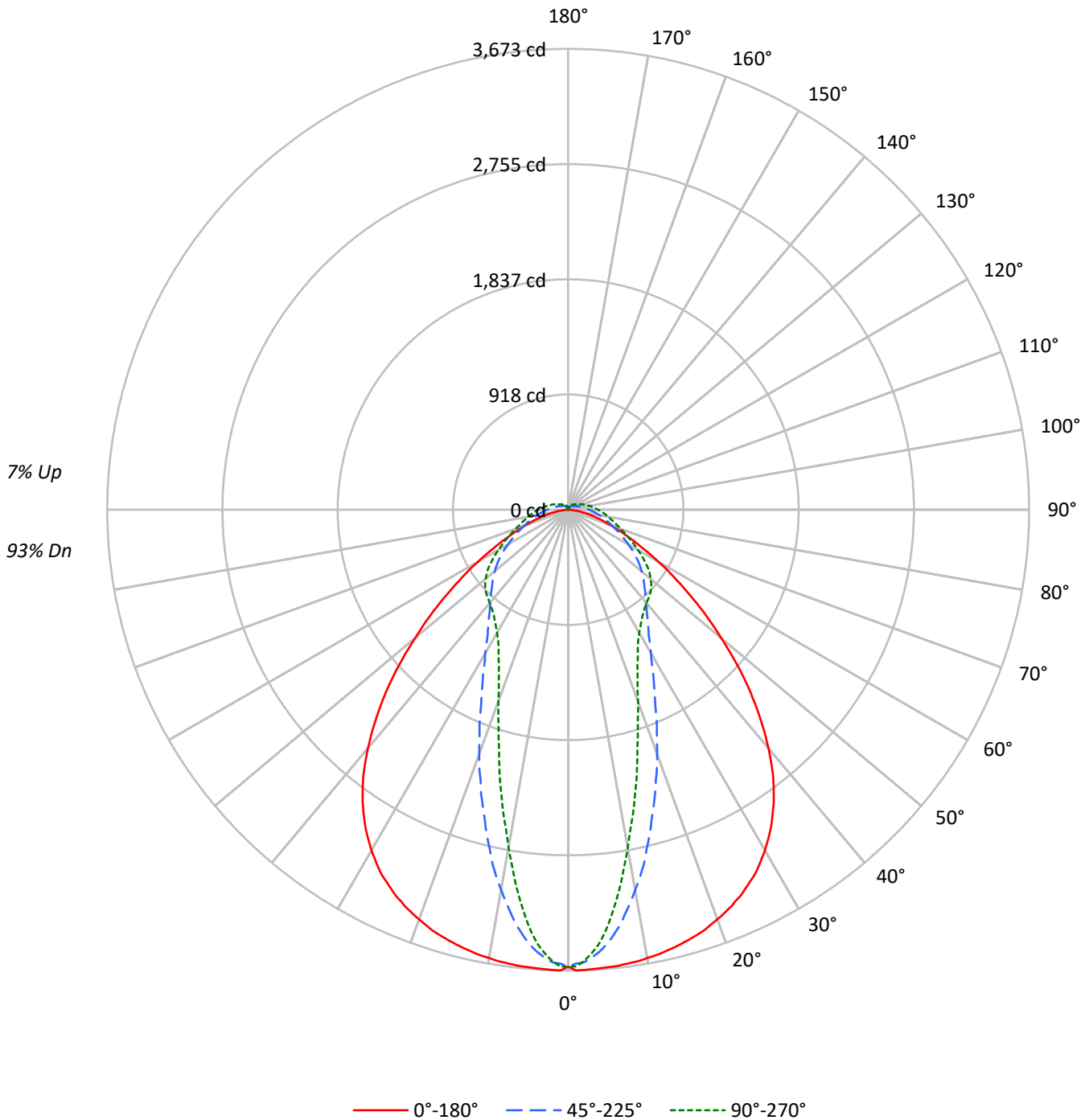
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5807.0 lumens
Efficiency: N/A
Efficacy: 146.3 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): 39.7
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	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°	39212	39212	39212
5°	39416	36040	34489
10°	39361	30900	26759
15°	39342	25207	20055
20°	39216	20079	15009
25°	38860	15735	11911
30°	38046	12734	10160
35°	36448	10777	9242
40°	33716	9514	8748
45°	29975	8704	8478
50°	25393	8010	8008
55°	20862	7259	7314
60°	16681	6385	6415
65°	12950	5606	5583
70°	10056	4958	4938
75°	7778	4456	4500
80°	5495	4077	4183
85°	3054	3800	4012



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	5.6
10°-20°	756.2	13.0
20°-30°	897.6	15.5
30°-40°	903.1	15.6
40°-50°	839.5	14.5
50°-60°	691.2	11.9
60°-70°	487.1	8.4
70°-80°	318.2	5.5
80°-90°	203.2	3.5
90°-100°	133.2	2.3
100°-110°	90.5	1.6
110°-120°	62.0	1.1
120°-130°	42.9	0.7
130°-140°	28.9	0.5
140°-150°	17.8	0.3
150°-160°	9.2	0.2
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	1976.4	34.0
0°-40°	2879.5	49.6
0°-60°	4410.2	75.9
0°-90°	5418.6	93.3
90°-120°	285.7	4.9
90°-150°	375.2	6.5
90°-180°	388.0	6.7
0°-180°	5807.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3643	3643	3643	3643	3643	
5°	3661	3612	3482	3415	3378	349
15°	3570	3189	2566	2243	2121	1008
25°	3336	2465	1634	1373	1315	1535
35°	2855	1668	1108	1038	1032	1775
45°	2051	1099	858	904	928	1575
55°	1178	721	664	736	761	1064
65°	554	435	456	514	533	562
75°	216	225	307	362	377	234
85°	36	104	207	268	280	46
90°	0	70	167	228	237	2
95°	0	52	140	192	201	0
105°	0	36	94	134	146	0
115°	3	30	67	97	104	3
125°	3	24	55	70	76	3
135°	3	21	43	55	58	2
145°	3	15	30	43	46	2
155°	3	12	21	30	34	1
165°	3	6	12	15	18	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-57SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3642.9	3642.9	3642.9	3642.9	3642.9
1°	3673.3	3658.1	3618.6	3645.9	3639.9
2°	3670.3	3655.1	3609.4	3621.6	3600.3
3°	3667.3	3645.9	3576.0	3572.9	3542.5
4°	3664.2	3630.7	3533.3	3496.8	3472.5
5°	3661.2	3612.5	3481.6	3414.7	3378.1
6°	3658.1	3591.2	3414.7	3314.2	3262.5
7°	3652.0	3557.7	3344.7	3207.7	3140.8
8°	3645.9	3527.3	3256.4	3092.1	3009.9
9°	3639.9	3487.7	3168.1	2967.3	2869.9
10°	3627.7	3448.1	3076.8	2839.5	2736.0
11°	3621.6	3402.5	2988.6	2717.7	2596.0
12°	3609.4	3353.8	2894.2	2589.9	2483.4
13°	3597.3	3302.0	2778.6	2480.3	2352.5
14°	3585.1	3247.3	2678.2	2358.6	2239.9
15°	3569.9	3189.4	2565.6	2243.0	2121.2
16°	3554.6	3122.5	2465.1	2124.3	1996.4
17°	3539.4	3058.6	2370.8	2014.7	1899.1
18°	3521.2	2994.7	2261.2	1908.2	1795.6
19°	3496.8	2921.6	2173.0	1810.8	1707.3
20°	3475.5	2854.7	2072.5	1719.5	1628.2
21°	3451.2	2772.5	1972.1	1634.3	1543.0
22.5°	3414.7	2656.9	1844.3	1527.8	1442.6
23°	3396.4	2623.4	1792.5	1488.2	1415.2
24°	3372.0	2535.1	1707.3	1427.3	1354.3
25°	3335.5	2465.1	1634.3	1372.6	1314.7
26°	3302.0	2379.9	1561.2	1323.9	1266.0
27°	3268.6	2297.7	1497.3	1272.1	1223.4
28°	3226.0	2212.5	1427.3	1229.5	1186.9
29°	3180.3	2133.4	1369.5	1193.0	1159.5
30°	3134.7	2045.1	1320.8	1159.5	1132.1
32.5°	3006.8	1850.4	1196.0	1095.6	1077.4
35°	2854.7	1667.8	1107.8	1037.8	1031.7
37.5°	2684.2	1500.4	1028.7	992.1	998.2
40°	2483.4	1348.2	961.7	958.7	970.8
42.5°	2270.3	1217.3	910.0	931.3	949.5
45°	2051.2	1098.7	858.2	903.9	928.2
47.5°	1823.0	995.2	812.6	870.4	897.8
50°	1591.7	894.7	763.9	830.8	858.2
52.5°	1384.7	806.5	715.2	785.2	815.6
55°	1177.8	721.3	663.5	736.5	760.8
57.5°	998.2	642.1	608.7	681.7	700.0
60°	830.8	566.1	553.9	620.8	642.1
62.5°	678.7	499.1	502.2	566.1	587.4
65°	553.9	435.2	456.5	514.3	532.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	450.4	374.3	410.9	471.7	486.9
70°	356.1	319.6	374.3	429.1	444.3
72.5°	283.0	270.9	337.8	395.6	407.8
75°	216.1	225.2	307.4	362.2	377.4
77.5°	155.2	188.7	276.9	334.8	346.9
80°	109.6	155.2	252.6	310.4	322.6
82.5°	70.0	127.8	228.3	289.1	301.3
85°	36.5	103.5	206.9	267.8	280.0
87.5°	15.2	85.2	185.6	246.5	258.7
90°	0.0	70.0	167.4	228.3	237.4
92.5°	0.0	60.9	152.2	210.0	219.1
95°	0.0	51.7	140.0	191.7	200.9
97.5°	0.0	48.7	124.8	176.5	185.6
100°	0.0	42.6	112.6	161.3	173.5
102.5°	0.0	39.6	103.5	146.1	158.3
105°	0.0	36.5	94.3	133.9	146.1
107.5°	0.0	33.5	88.3	124.8	133.9
110°	0.0	33.5	79.1	115.6	124.8
112.5°	3.0	30.4	73.0	103.5	112.6
115°	3.0	30.4	67.0	97.4	103.5
117.5°	3.0	30.4	63.9	88.3	94.3
120°	3.0	27.4	60.9	82.2	88.3
122.5°	3.0	27.4	57.8	76.1	79.1
125°	3.0	24.3	54.8	70.0	76.1
127.5°	3.0	24.3	51.7	67.0	70.0
130°	3.0	24.3	48.7	60.9	67.0
132.5°	3.0	21.3	45.7	57.8	60.9
135°	3.0	21.3	42.6	54.8	57.8
137.5°	3.0	18.3	39.6	51.7	54.8
140°	3.0	18.3	36.5	48.7	51.7
142.5°	3.0	15.2	33.5	45.7	48.7
145°	3.0	15.2	30.4	42.6	45.7
147.5°	3.0	15.2	27.4	39.6	42.6
150°	3.0	12.2	24.3	36.5	39.6
152.5°	3.0	12.2	21.3	33.5	36.5
155°	3.0	12.2	21.3	30.4	33.5
157.5°	3.0	9.1	18.3	24.3	30.4
160°	3.0	9.1	15.2	21.3	27.4
162.5°	3.0	9.1	15.2	18.3	21.3
165°	3.0	6.1	12.2	15.2	18.3
167.5°	3.0	6.1	9.1	12.2	15.2
170°	3.0	6.1	9.1	9.1	12.2
172.5°	3.0	6.1	6.1	6.1	6.1
175°	6.1	6.1	6.1	6.1	3.0
177.5°	6.1	6.1	6.1	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)