

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: P567280

Luminaire Tested: **8SNX-120SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-LW-UNV-L940-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

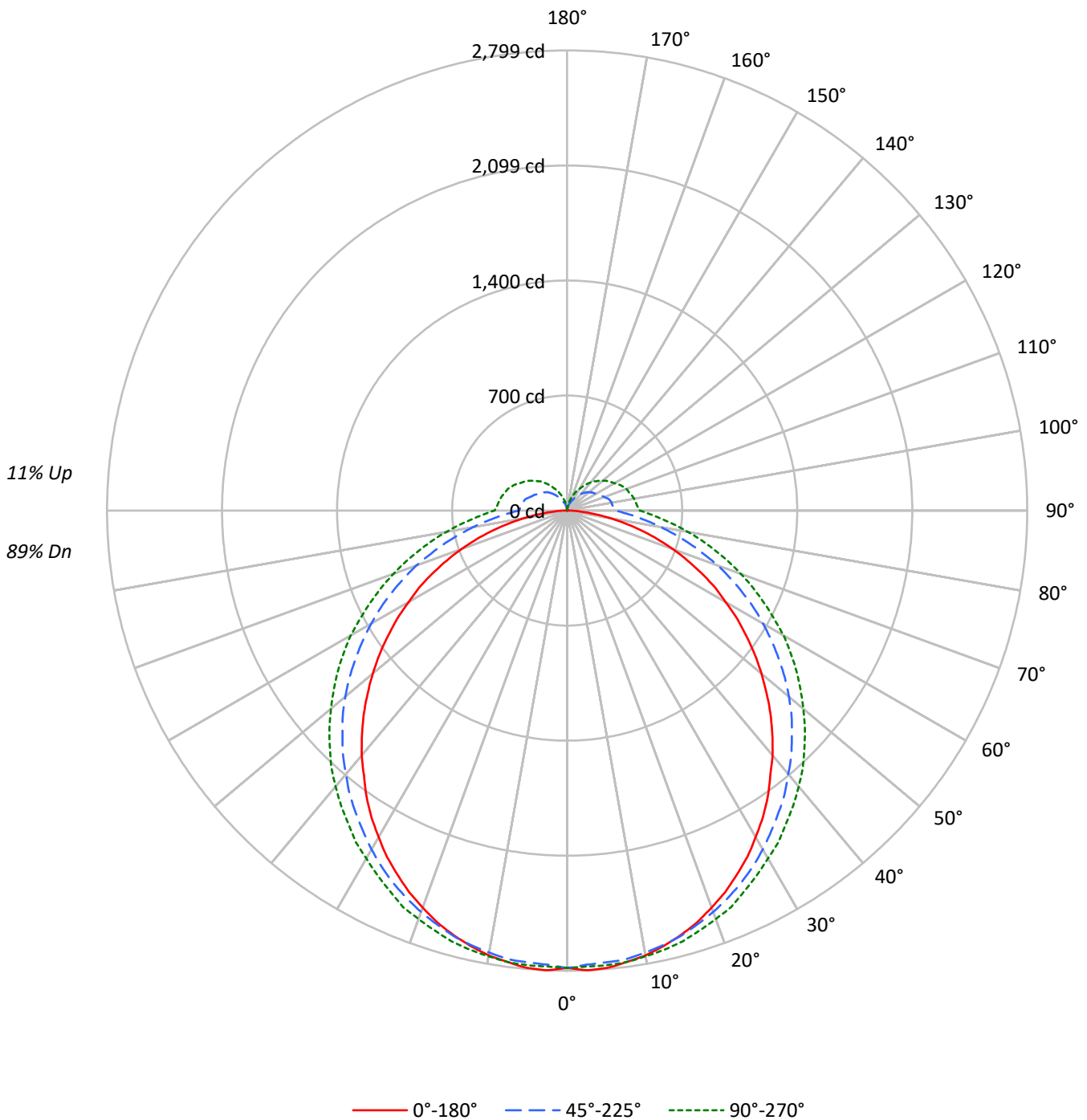
Lumens per Lamp: N/A
Luminaire Lumens: 9902.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 84
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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14970	14970	14970
5°	15062	14295	14170
10°	14958	13741	13462
15°	14808	13203	12824
20°	14605	12643	12186
25°	14368	12105	11561
30°	14087	11549	10963
35°	13778	10991	10404
40°	13425	10446	9870
45°	13042	9898	9324
50°	12604	9334	8750
55°	12124	8703	8187
60°	11559	8043	7592
65°	10976	7330	6914
70°	10158	6569	6247
75°	9074	5678	5539
80°	7312	4778	4834
85°	5147	3943	4108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.2	2.7
10°-20°	759.4	7.7
20°-30°	1154.7	11.7
30°-40°	1401.6	14.2
40°-50°	1481.1	15.0
50°-60°	1386.0	14.0
60°-70°	1137.2	11.5
70°-80°	782.2	7.9
80°-90°	428.3	4.3
90°-100°	275.8	2.8
100°-110°	247.5	2.5
110°-120°	204.9	2.1
120°-130°	157.8	1.6
130°-140°	110.8	1.1
140°-150°	66.8	0.7
150°-160°	32.0	0.3
160°-170°	10.5	0.1
170°-180°	1.3	0.0
0°-30°	2178.2	22.0
0°-40°	3579.9	36.2
0°-60°	6446.9	65.1
0°-90°	8794.6	88.8
90°-120°	728.2	7.4
90°-150°	1063.6	10.7
90°-180°	1107.0	11.2
0°-180°	9902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2782	2782	2782	2782	2782	
5°	2793	2787	2759	2782	2776	265
15°	2672	2684	2678	2713	2713	754
25°	2443	2472	2500	2552	2552	1126
35°	2128	2179	2242	2306	2323	1329
45°	1749	1830	1933	2019	2042	1348
55°	1330	1440	1571	1669	1703	1191
65°	900	1021	1176	1285	1319	892
75°	470	596	768	889	929	495
85°	103	247	419	533	574	119
90°	0	138	292	402	442	7
95°	0	132	281	384	424	0
105°	0	109	264	361	396	4
115°	6	98	224	321	361	6
125°	6	80	189	275	310	5
135°	6	63	155	224	252	4
145°	6	46	109	172	189	4
155°	6	29	69	109	126	3
165°	6	17	34	52	63	2
175°	6	6	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2781.5	2781.5	2781.5	2781.5	2781.5
2.5°	2798.7	2793.0	2764.3	2787.2	2775.8
5°	2793.0	2787.2	2758.6	2781.5	2775.8
7.5°	2770.0	2770.0	2752.8	2775.8	2770.0
10°	2747.1	2747.1	2729.9	2758.6	2752.8
12.5°	2712.7	2718.4	2706.9	2741.3	2735.6
15°	2672.5	2684.0	2678.3	2712.7	2712.7
17.5°	2626.6	2638.1	2638.1	2678.3	2678.3
20°	2569.3	2586.5	2598.0	2643.9	2643.9
22.5°	2511.9	2534.9	2552.1	2592.2	2609.4
25°	2443.1	2471.8	2500.5	2552.1	2552.1
27.5°	2374.3	2408.7	2443.1	2494.7	2500.5
30°	2294.0	2334.2	2380.0	2431.7	2443.1
32.5°	2213.7	2265.3	2311.2	2374.3	2391.5
35°	2127.7	2179.3	2242.4	2305.5	2322.7
37.5°	2030.2	2093.3	2173.6	2242.4	2259.6
40°	1944.2	2013.0	2093.3	2173.6	2190.8
42.5°	1846.7	1921.2	2018.7	2093.3	2122.0
45°	1749.2	1829.5	1932.7	2018.7	2041.7
47.5°	1646.0	1737.7	1852.4	1932.7	1961.4
50°	1542.7	1640.2	1760.7	1852.4	1875.4
52.5°	1439.5	1542.7	1668.9	1760.7	1789.3
55°	1330.5	1439.5	1571.4	1668.9	1703.3
57.5°	1227.3	1336.3	1473.9	1577.1	1611.5
60°	1112.6	1238.8	1376.4	1479.6	1519.8
62.5°	1015.1	1129.8	1278.9	1382.1	1416.6
65°	900.4	1020.8	1175.7	1284.6	1319.1
67.5°	791.4	917.6	1072.5	1187.2	1221.6
70°	682.5	808.6	975.0	1083.9	1124.1
72.5°	573.5	705.4	866.0	986.4	1026.6
75°	470.3	596.4	768.5	888.9	929.1
77.5°	361.3	498.9	671.0	791.4	837.3
80°	263.8	407.2	579.2	699.7	745.6
82.5°	177.8	321.2	493.2	613.6	659.5
85°	103.2	246.6	418.7	533.4	573.5
87.5°	51.6	189.3	349.8	464.5	504.7
90°	0.0	137.6	292.5	401.5	441.6
92.5°	0.0	131.9	286.8	390.0	430.1
95°	0.0	131.9	281.0	384.2	424.4
97.5°	0.0	126.2	275.3	384.2	418.7
100°	0.0	120.4	275.3	378.5	412.9
102.5°	0.0	114.7	269.5	372.8	407.2
105°	0.0	109.0	263.8	361.3	395.7
107.5°	5.7	109.0	252.3	355.6	390.0
110°	5.7	103.2	240.9	349.8	384.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.7	97.5	229.4	338.4	372.8
115°	5.7	97.5	223.7	321.2	361.3
117.5°	5.7	91.8	212.2	309.7	349.8
120°	5.7	91.8	206.5	298.2	332.6
122.5°	5.7	86.0	195.0	286.8	321.2
125°	5.7	80.3	189.3	275.3	309.7
127.5°	5.7	74.6	183.5	263.8	298.2
130°	5.7	68.8	172.1	252.3	281.0
132.5°	5.7	68.8	166.3	235.1	269.5
135°	5.7	63.1	154.8	223.7	252.3
137.5°	5.7	57.4	143.4	212.2	240.9
140°	5.7	51.6	131.9	200.7	223.7
142.5°	5.7	51.6	120.4	183.5	206.5
145°	5.7	45.9	109.0	172.1	189.3
147.5°	5.7	40.1	97.5	154.8	172.1
150°	5.7	40.1	86.0	137.6	154.8
152.5°	5.7	34.4	74.6	126.2	143.4
155°	5.7	28.7	68.8	109.0	126.2
157.5°	5.7	28.7	57.4	91.8	109.0
160°	5.7	22.9	51.6	74.6	91.8
162.5°	5.7	22.9	45.9	63.1	80.3
165°	5.7	17.2	34.4	51.6	63.1
167.5°	5.7	17.2	28.7	40.1	51.6
170°	5.7	11.5	22.9	28.7	40.1
172.5°	5.7	11.5	17.2	17.2	17.2
175°	5.7	5.7	11.5	11.5	5.7
177.5°	5.7	5.7	5.7	5.7	5.7
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)