

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: P568168

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-SL3-FDL-UNV-CC83-CD-5000K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

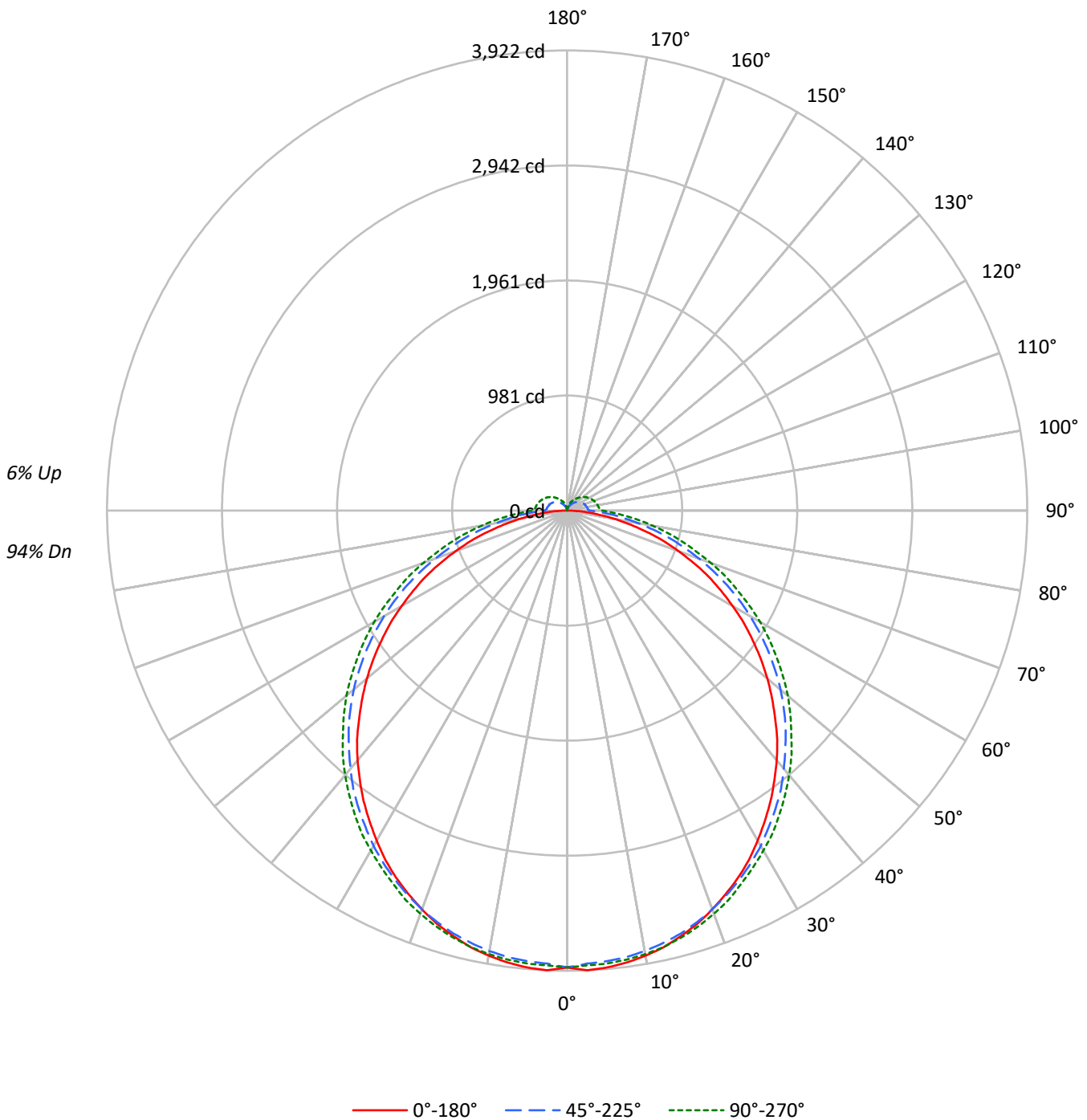
Lumens per Lamp: N/A
Luminaire Lumens: 12373.0 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 102.2
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	97	97	97	94				
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77				
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64				
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53				
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45				
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39				
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34				
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30				
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27				
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24				
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20955	20955	20955
5°	21108	20615	20639
10°	21031	20398	20380
15°	20884	20147	20089
20°	20680	19841	19747
25°	20444	19505	19341
30°	20119	19162	18967
35°	19794	18759	18576
40°	19434	18314	18137
45°	18979	17873	17625
50°	18542	17370	17157
55°	17999	16748	16507
60°	17390	16035	15868
65°	16750	15184	14985
70°	15636	14112	14071
75°	14301	12851	12978
80°	12334	11175	11765
85°	9960	9742	10339



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.2	3.0
10°-20°	1059.6	8.6
20°-30°	1605.7	13.0
30°-40°	1938.4	15.7
40°-50°	2024.2	16.4
50°-60°	1859.6	15.0
60°-70°	1470.6	11.9
70°-80°	930.7	7.5
80°-90°	400.1	3.2
90°-100°	176.1	1.4
100°-110°	157.6	1.3
110°-120°	133.1	1.1
120°-130°	103.8	0.8
130°-140°	71.8	0.6
140°-150°	43.1	0.3
150°-160°	21.0	0.2
160°-170°	7.3	0.1
170°-180°	1.1	0.0
0°-30°	3034.6	24.5
0°-40°	4973.0	40.2
0°-60°	8856.8	71.6
0°-90°	11658.1	94.2
90°-120°	466.8	3.8
90°-150°	685.5	5.5
90°-180°	715.0	5.8
0°-180°	12373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3894	3894	3894	3894	3894	
5°	3909	3898	3856	3889	3876	371
15°	3753	3753	3734	3773	3766	1059
25°	3451	3466	3471	3517	3510	1589
35°	3024	3059	3098	3146	3157	1890
45°	2507	2568	2634	2684	2702	1936
55°	1932	2011	2095	2163	2178	1729
65°	1330	1404	1503	1573	1597	1310
75°	701	784	898	975	1012	743
85°	171	263	377	458	486	189
90°	11	94	193	270	298	14
95°	2	81	175	245	272	2
105°	2	74	164	230	254	2
115°	2	64	149	208	230	2
125°	4	57	125	180	199	4
135°	4	44	101	142	160	3
145°	4	33	70	107	118	3
155°	4	22	46	68	81	2
165°	7	15	24	33	46	2
175°	7	9	11	11	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3893.6	3893.6	3893.6	3893.6	3893.6
2.5°	3922.0	3908.9	3865.1	3895.7	3880.4
5°	3908.9	3897.9	3856.3	3889.2	3876.0
7.5°	3884.8	3876.0	3838.8	3873.8	3860.7
10°	3851.9	3845.3	3812.5	3847.5	3838.8
12.5°	3810.3	3808.1	3775.2	3814.7	3808.1
15°	3753.3	3753.3	3733.6	3773.0	3766.5
17.5°	3692.0	3694.2	3678.8	3720.5	3716.1
20°	3617.5	3628.4	3617.5	3661.3	3656.9
22.5°	3536.4	3551.7	3547.4	3591.2	3593.4
25°	3451.0	3466.3	3470.7	3516.7	3510.1
27.5°	3356.7	3380.8	3389.6	3431.2	3429.0
30°	3247.2	3280.0	3299.8	3334.8	3345.8
32.5°	3135.4	3174.9	3199.0	3247.2	3260.3
35°	3023.7	3058.7	3098.2	3146.4	3157.3
37.5°	2901.0	2940.4	2993.0	3039.0	3052.2
40°	2778.3	2822.1	2872.5	2922.9	2942.6
42.5°	2651.2	2697.2	2752.0	2811.2	2830.9
45°	2506.6	2567.9	2633.7	2684.1	2701.6
47.5°	2368.6	2436.5	2506.6	2561.4	2581.1
50°	2228.3	2300.6	2375.1	2425.5	2456.2
52.5°	2081.5	2160.4	2234.9	2298.4	2318.2
55°	1932.5	2011.4	2094.7	2162.6	2177.9
57.5°	1787.9	1864.6	1947.9	2011.4	2042.1
60°	1630.2	1713.4	1803.3	1866.8	1899.7
62.5°	1476.8	1557.9	1654.3	1722.2	1748.5
65°	1330.0	1404.5	1503.1	1573.2	1597.3
67.5°	1167.8	1253.3	1347.5	1428.6	1459.3
70°	1007.9	1089.0	1196.3	1273.0	1303.7
72.5°	858.9	937.8	1045.1	1121.8	1150.3
75°	701.1	784.4	898.3	975.0	1012.3
77.5°	550.0	642.0	751.5	834.8	876.4
80°	409.7	490.8	609.1	701.1	738.4
82.5°	278.3	365.9	488.6	574.1	615.7
85°	170.9	262.9	376.9	457.9	486.4
87.5°	81.1	168.7	273.9	352.8	387.8
90°	11.0	94.2	192.8	269.5	298.0
92.5°	2.2	81.1	177.5	249.8	276.1
95°	2.2	81.1	175.3	245.4	271.7
97.5°	2.2	78.9	173.1	243.2	267.3
100°	2.2	76.7	170.9	238.8	265.1
102.5°	2.2	76.7	166.5	234.4	258.5
105°	2.2	74.5	164.3	230.1	254.2
107.5°	2.2	72.3	159.9	225.7	249.8
110°	2.2	67.9	157.8	219.1	243.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	65.7	153.4	214.7	236.6
115°	2.2	63.5	149.0	208.2	230.1
117.5°	2.2	61.4	142.4	201.6	223.5
120°	4.4	61.4	138.0	195.0	214.7
122.5°	4.4	59.2	131.5	186.2	206.0
125°	4.4	57.0	124.9	179.7	199.4
127.5°	4.4	54.8	118.3	170.9	188.4
130°	4.4	50.4	113.9	162.1	179.7
132.5°	4.4	48.2	107.4	151.2	168.7
135°	4.4	43.8	100.8	142.4	159.9
137.5°	4.4	41.6	94.2	133.7	149.0
140°	4.4	39.4	85.5	124.9	140.2
142.5°	4.4	35.1	78.9	116.1	129.3
145°	4.4	32.9	70.1	107.4	118.3
147.5°	4.4	28.5	63.5	98.6	109.6
150°	4.4	26.3	57.0	89.8	100.8
152.5°	4.4	24.1	50.4	78.9	89.8
155°	4.4	21.9	46.0	67.9	81.1
157.5°	4.4	19.7	39.4	59.2	72.3
160°	6.6	17.5	35.1	50.4	61.4
162.5°	6.6	15.3	28.5	41.6	54.8
165°	6.6	15.3	24.1	32.9	46.0
167.5°	6.6	13.1	19.7	26.3	37.2
170°	6.6	11.0	17.5	19.7	28.5
172.5°	6.6	8.8	13.1	13.1	15.3
175°	6.6	8.8	11.0	11.0	6.6
177.5°	6.6	6.6	6.6	6.6	4.4
180°	6.6	6.6	6.6	6.6	6.6

(END OF REPORT)