

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: P568189

Luminaire Tested: **8SNX-SL3-LC-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-SL3-LC-UNV-CC93-CD-3500K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

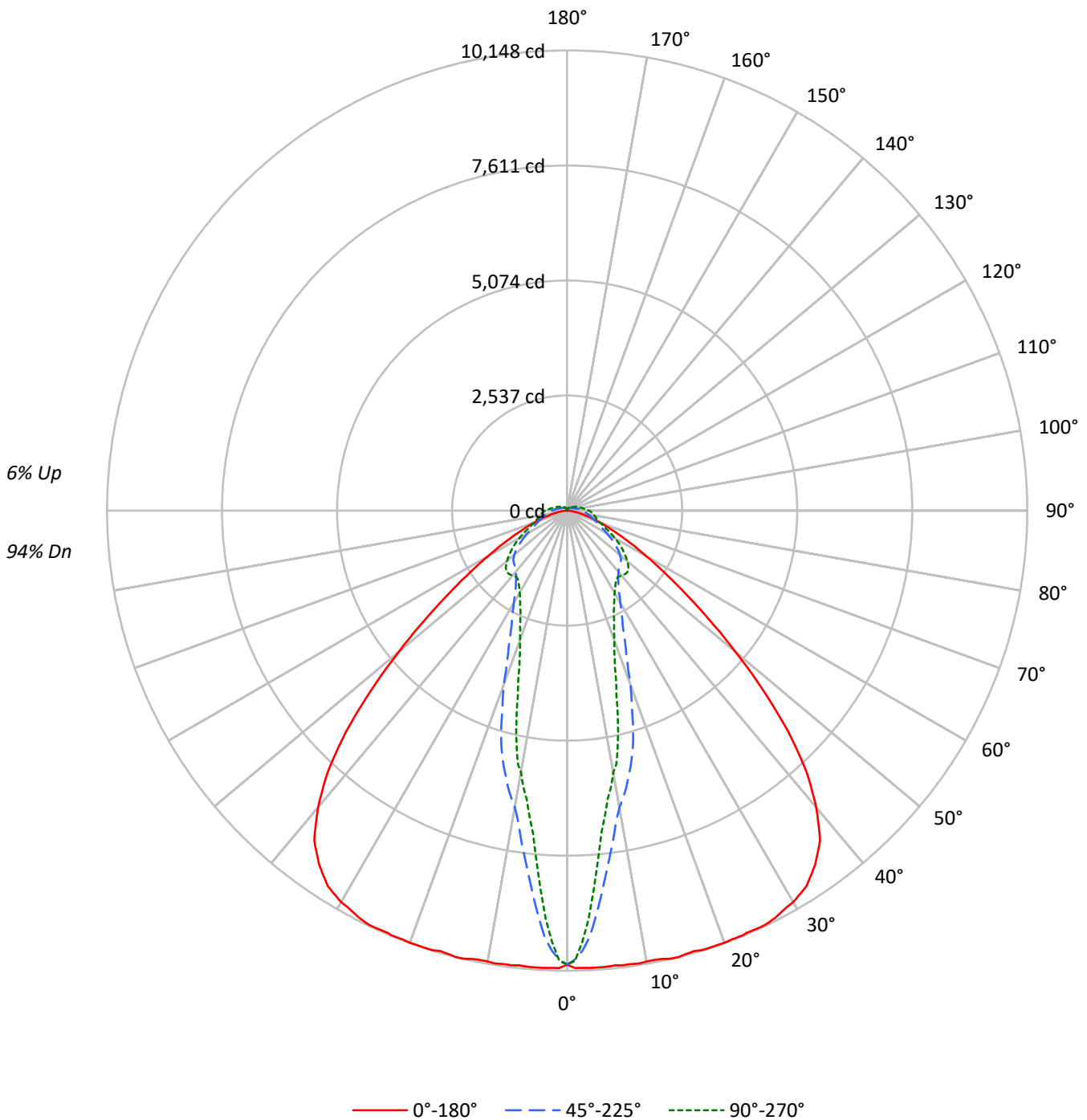
Lumens per Lamp: N/A
Luminaire Lumens: 12338.0 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 101.4
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	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53869	53869	53869
5°	54454	44300	39604
10°	54982	33481	28663
15°	56090	27398	19847
20°	57650	19846	14017
25°	59572	14233	11027
30°	61230	11383	9392
35°	61746	9639	8411
40°	59028	8772	8432
45°	51386	8484	8663
50°	39571	8078	8083
55°	28808	7073	7172
60°	21020	5912	6065
65°	15416	5007	4971
70°	11481	4430	4287
75°	8296	4111	3995
80°	5607	3860	3935
85°	2838	3692	3941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.2	6.4
10°-20°	1709.3	13.9
20°-30°	1956.6	15.9
30°-40°	1960.1	15.9
40°-50°	1855.4	15.0
50°-60°	1423.0	11.5
60°-70°	917.2	7.4
70°-80°	584.9	4.7
80°-90°	388.4	3.1
90°-100°	261.1	2.1
100°-110°	172.0	1.4
110°-120°	119.7	1.0
120°-130°	83.5	0.7
130°-140°	58.0	0.5
140°-150°	35.5	0.3
150°-160°	18.0	0.1
160°-170°	6.9	0.1
170°-180°	1.3	0.0
0°-30°	4453.0	36.1
0°-40°	6413.1	52.0
0°-60°	9691.5	78.6
0°-90°	11582.0	93.9
90°-120°	552.8	4.5
90°-150°	729.7	5.9
90°-180°	756.0	6.1
0°-180°	12338.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10009	10009	10009	10009	10009	
5°	10098	9541	8549	7973	7758	964
15°	10123	7290	5558	4565	4198	2871
25°	10129	5160	2940	2554	2434	4670
35°	9535	2871	1966	1903	1878	5916
45°	6892	1815	1657	1834	1897	5240
55°	3162	1296	1277	1435	1492	2907
65°	1265	816	803	917	948	1301
75°	430	443	556	639	670	473
85°	57	202	392	512	550	78
90°	0	139	329	455	474	3
95°	0	101	272	373	392	0
105°	0	76	177	253	272	4
115°	6	63	133	183	196	6
125°	6	57	114	133	139	6
135°	6	44	88	108	114	5
145°	6	32	63	82	88	4
155°	6	19	38	57	63	3
165°	13	13	25	32	38	3
175°	13	13	13	13	6	1
180°	13	13	13	13	13	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10009.2	10009.2	10009.2	10009.2	10009.2
1°	10091.4	10034.5	9901.7	9939.6	9933.3
2°	10091.4	9971.2	9712.0	9636.1	9522.3
3°	10097.7	9863.8	9421.2	9174.6	9016.5
4°	10097.7	9705.7	8991.2	8580.2	8377.9
5°	10097.7	9541.3	8548.6	7973.2	7758.2
6°	10085.1	9345.3	8099.7	7492.7	7170.2
7°	10104.0	9130.3	7695.0	7043.7	6790.8
8°	10097.7	8877.4	7321.9	6702.3	6424.1
9°	10116.7	8630.8	6917.3	6379.8	6171.2
10°	10097.7	8403.2	6651.7	6076.3	5861.3
11°	10097.7	8181.9	6462.0	5880.3	5697.0
12°	10110.4	7928.9	6253.4	5602.1	5349.2
13°	10142.0	7669.7	6013.1	5298.6	5001.4
14°	10148.3	7473.7	5791.8	4912.9	4603.1
15°	10123.0	7290.3	5557.8	4565.1	4198.4
16°	10110.4	7100.6	5279.6	4236.4	3907.6
17°	10135.6	6879.3	4963.5	3901.2	3597.7
18°	10142.0	6677.0	4628.4	3648.3	3382.8
19°	10142.0	6518.9	4356.5	3414.4	3186.8
20°	10142.0	6367.2	4078.3	3237.3	3041.3
21°	10129.3	6177.5	3762.1	3054.0	2889.6
22.5°	10135.6	5823.4	3401.7	2839.0	2706.2
23°	10116.7	5734.9	3313.2	2782.1	2643.0
24°	10123.0	5482.0	3123.5	2668.3	2535.5
25°	10129.3	5159.5	2940.2	2554.5	2434.3
26°	10116.7	4900.3	2788.4	2447.0	2364.8
27°	10085.1	4691.6	2680.9	2358.4	2282.6
28°	10040.8	4413.4	2567.1	2282.6	2213.0
29°	9996.5	4097.3	2453.3	2200.4	2149.8
30°	9971.2	3844.3	2345.8	2137.1	2092.9
32.5°	9819.5	3344.8	2124.5	2010.7	1972.8
35°	9535.0	2870.6	1966.4	1903.2	1877.9
37.5°	9161.9	2503.9	1846.3	1833.6	1840.0
40°	8548.6	2213.0	1757.8	1814.7	1871.6
42.5°	7815.1	1985.4	1694.5	1833.6	1896.9
45°	6892.0	1814.7	1656.6	1833.6	1896.9
47.5°	5867.7	1675.6	1612.3	1770.4	1833.6
50°	4843.4	1549.1	1523.8	1675.6	1732.5
52.5°	3939.2	1429.0	1410.0	1555.4	1612.3
55°	3161.5	1296.2	1277.2	1435.3	1492.2
57.5°	2535.5	1169.7	1150.8	1296.2	1353.1
60°	2023.3	1043.3	1011.7	1157.1	1214.0
62.5°	1612.3	923.1	904.2	1030.6	1081.2
65°	1264.6	815.7	803.0	916.8	948.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	999.0	714.5	720.8	815.7	853.6
70°	771.4	619.6	657.6	746.1	771.4
72.5°	581.7	524.8	607.0	682.9	714.5
75°	430.0	442.6	556.4	638.6	670.2
77.5°	297.2	366.7	512.2	600.7	632.3
80°	202.3	297.2	467.9	569.1	607.0
82.5°	120.1	246.6	430.0	537.4	581.7
85°	56.9	202.3	392.0	512.2	550.1
87.5°	19.0	164.4	354.1	486.9	518.5
90°	0.0	139.1	328.8	455.3	474.2
92.5°	0.0	120.1	297.2	417.3	430.0
95°	0.0	101.2	271.9	373.1	392.0
97.5°	0.0	94.8	252.9	335.1	360.4
100°	0.0	88.5	227.6	303.5	328.8
102.5°	0.0	75.9	202.3	271.9	297.2
105°	0.0	75.9	177.0	252.9	271.9
107.5°	6.3	69.6	164.4	227.6	252.9
110°	6.3	69.6	145.4	215.0	233.9
112.5°	6.3	69.6	139.1	196.0	221.3
115°	6.3	63.2	132.8	183.4	196.0
117.5°	6.3	63.2	126.5	164.4	177.0
120°	6.3	56.9	120.1	151.8	158.1
122.5°	6.3	56.9	113.8	139.1	145.4
125°	6.3	56.9	113.8	132.8	139.1
127.5°	6.3	50.6	107.5	126.5	126.5
130°	6.3	50.6	101.2	120.1	120.1
132.5°	6.3	44.3	94.8	113.8	120.1
135°	6.3	44.3	88.5	107.5	113.8
137.5°	6.3	37.9	82.2	101.2	107.5
140°	6.3	37.9	75.9	94.8	101.2
142.5°	6.3	31.6	69.6	88.5	94.8
145°	6.3	31.6	63.2	82.2	88.5
147.5°	6.3	31.6	56.9	75.9	82.2
150°	6.3	25.3	50.6	69.6	75.9
152.5°	6.3	25.3	44.3	63.2	69.6
155°	6.3	19.0	37.9	56.9	63.2
157.5°	6.3	19.0	37.9	50.6	56.9
160°	12.6	19.0	31.6	44.3	50.6
162.5°	6.3	12.6	31.6	37.9	44.3
165°	12.6	12.6	25.3	31.6	37.9
167.5°	12.6	12.6	19.0	25.3	31.6
170°	12.6	12.6	19.0	19.0	25.3
172.5°	12.6	12.6	12.6	19.0	12.6
175°	12.6	12.6	12.6	12.6	6.3
177.5°	12.6	12.6	12.6	12.6	6.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	12.6	12.6	12.6	12.6	12.6

(END OF REPORT)