

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: P568197

Luminaire Tested: **8SNX-SL3-LC-UNV-CC93-CD-5000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568197
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-5000K-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

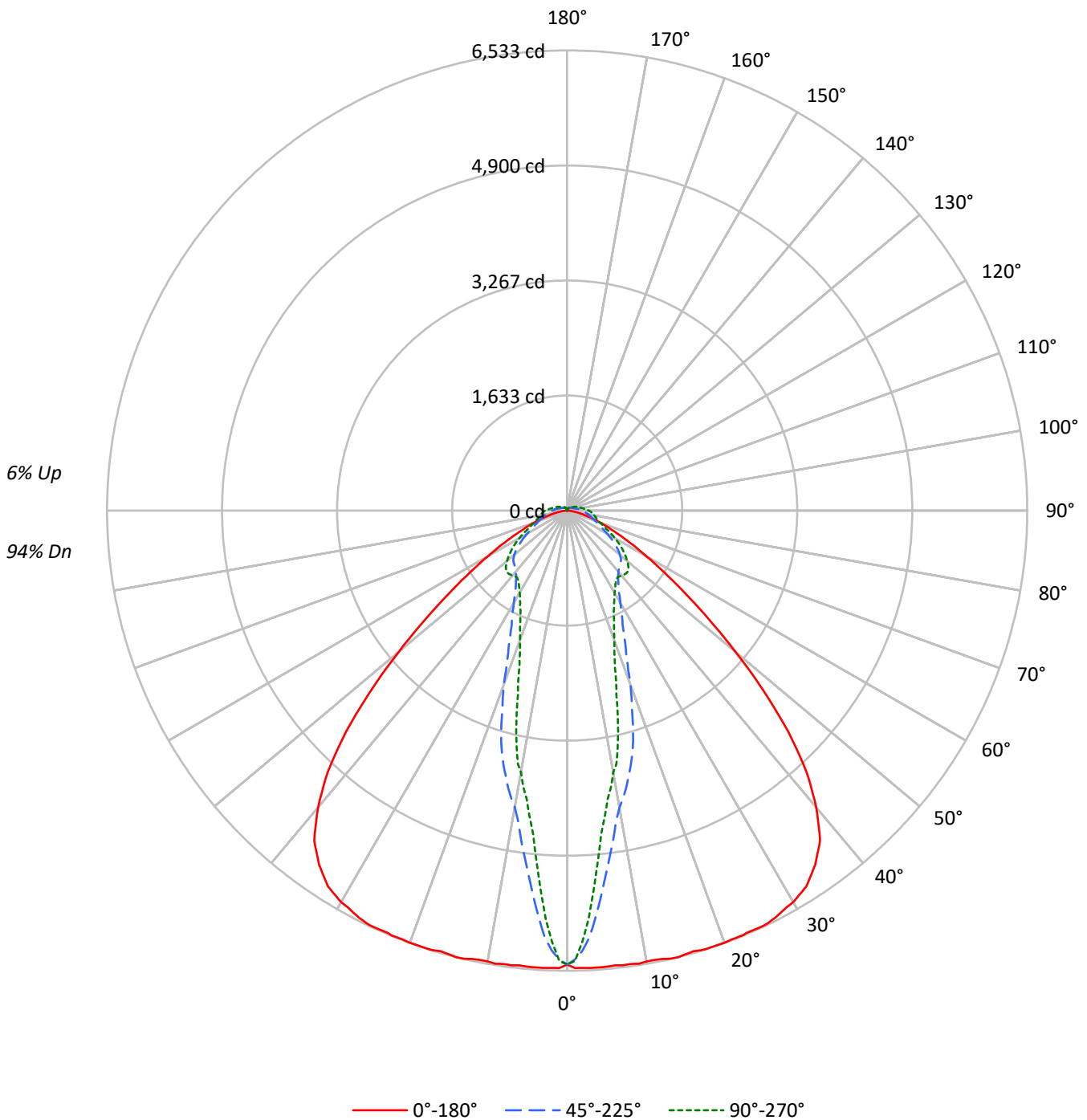
Lumens per Lamp: N/A
Luminaire Lumens: 7943.0 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 67.452
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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34680	34680	34680
5°	35056	28519	25496
10°	35396	21555	18452
15°	36110	17639	12778
20°	37114	12776	9024
25°	38352	9163	7099
30°	39419	7328	6046
35°	39751	6205	5415
40°	38001	5647	5428
45°	33081	5462	5577
50°	25475	5201	5204
55°	18546	4554	4618
60°	13533	3806	3904
65°	9924	3223	3200
70°	7391	2852	2760
75°	5341	2647	2572
80°	3612	2485	2533
85°	1825	2377	2537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.8	6.4
10°-20°	1100.4	13.9
20°-30°	1259.6	15.9
30°-40°	1261.9	15.9
40°-50°	1194.5	15.0
50°-60°	916.1	11.5
60°-70°	590.5	7.4
70°-80°	376.5	4.7
80°-90°	250.1	3.1
90°-100°	168.1	2.1
100°-110°	110.7	1.4
110°-120°	77.0	1.0
120°-130°	53.7	0.7
130°-140°	37.3	0.5
140°-150°	22.8	0.3
150°-160°	11.6	0.1
160°-170°	4.5	0.1
170°-180°	0.9	0.0
0°-30°	2866.8	36.1
0°-40°	4128.6	52.0
0°-60°	6239.2	78.6
0°-90°	7456.3	93.9
90°-120°	355.9	4.5
90°-150°	469.8	5.9
90°-180°	487.0	6.1
0°-180°	7943.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6444	6444	6444	6444	6444	
5°	6501	6142	5503	5133	4995	621
15°	6517	4693	3578	2939	2703	1848
25°	6521	3322	1893	1644	1567	3006
35°	6138	1848	1266	1225	1209	3809
45°	4437	1168	1066	1180	1221	3373
55°	2035	834	822	924	961	1872
65°	814	525	517	590	611	837
75°	277	285	358	411	432	304
85°	37	130	252	330	354	50
90°	0	90	212	293	305	2
95°	0	65	175	240	252	0
105°	0	49	114	163	175	3
115°	4	41	86	118	126	4
125°	4	37	73	86	90	4
135°	4	28	57	69	73	3
145°	4	20	41	53	57	3
155°	4	12	24	37	41	2
165°	8	8	16	20	24	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6443.7	6443.7	6443.7	6443.7	6443.7
1°	6496.7	6460.0	6374.5	6399.0	6394.9
2°	6496.7	6419.3	6252.4	6203.6	6130.3
3°	6500.7	6350.1	6065.2	5906.4	5804.7
4°	6500.7	6248.4	5788.4	5523.8	5393.5
5°	6500.7	6142.5	5503.4	5133.0	4994.6
6°	6492.6	6016.3	5214.4	4823.7	4616.1
7°	6504.8	5877.9	4953.9	4534.6	4371.8
8°	6500.7	5715.1	4713.7	4314.8	4135.7
9°	6512.9	5556.4	4453.2	4107.2	3972.9
10°	6500.7	5409.8	4282.3	3911.8	3773.4
11°	6500.7	5267.3	4160.1	3785.7	3667.6
12°	6508.9	5104.5	4025.8	3606.5	3443.7
13°	6529.2	4937.6	3871.1	3411.2	3219.8
14°	6533.3	4811.4	3728.7	3162.8	2963.4
15°	6517.0	4693.4	3578.1	2939.0	2702.9
16°	6508.9	4571.3	3398.9	2727.3	2515.6
17°	6525.2	4428.8	3195.4	2511.6	2316.2
18°	6529.2	4298.5	2979.7	2348.7	2177.8
19°	6529.2	4196.8	2804.6	2198.1	2051.6
20°	6529.2	4099.1	2625.5	2084.1	1958.0
21°	6521.1	3977.0	2422.0	1966.1	1860.3
22.5°	6525.2	3749.0	2190.0	1827.7	1742.2
23°	6512.9	3692.0	2133.0	1791.1	1701.5
24°	6517.0	3529.2	2010.9	1717.8	1632.3
25°	6521.1	3321.6	1892.8	1644.5	1567.2
26°	6512.9	3154.7	1795.1	1575.3	1522.4
27°	6492.6	3020.4	1725.9	1518.3	1469.5
28°	6464.1	2841.3	1652.7	1469.5	1424.7
29°	6435.6	2637.7	1579.4	1416.6	1384.0
30°	6419.3	2474.9	1510.2	1375.9	1347.4
32.5°	6321.6	2153.3	1367.7	1294.4	1270.0
35°	6138.5	1848.0	1266.0	1225.2	1209.0
37.5°	5898.3	1612.0	1188.6	1180.5	1184.5
40°	5503.4	1424.7	1131.6	1168.3	1204.9
42.5°	5031.3	1278.2	1090.9	1180.5	1221.2
45°	4436.9	1168.3	1066.5	1180.5	1221.2
47.5°	3777.5	1078.7	1038.0	1139.8	1180.5
50°	3118.1	997.3	981.0	1078.7	1115.3
52.5°	2536.0	920.0	907.7	1001.4	1038.0
55°	2035.3	834.5	822.3	924.0	960.7
57.5°	1632.3	753.1	740.8	834.5	871.1
60°	1302.6	671.6	651.3	744.9	781.6
62.5°	1038.0	594.3	582.1	663.5	696.1
65°	814.1	525.1	517.0	590.2	610.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	643.2	460.0	464.0	525.1	549.5
70°	496.6	398.9	423.3	480.3	496.6
72.5°	374.5	337.9	390.8	439.6	460.0
75°	276.8	284.9	358.2	411.1	431.5
77.5°	191.3	236.1	329.7	386.7	407.1
80°	130.3	191.3	301.2	366.4	390.8
82.5°	77.3	158.8	276.8	346.0	374.5
85°	36.6	130.3	252.4	329.7	354.1
87.5°	12.2	105.8	228.0	313.4	333.8
90°	0.0	89.6	211.7	293.1	305.3
92.5°	0.0	77.3	191.3	268.7	276.8
95°	0.0	65.1	175.0	240.2	252.4
97.5°	0.0	61.1	162.8	215.7	232.0
100°	0.0	57.0	146.5	195.4	211.7
102.5°	0.0	48.8	130.3	175.0	191.3
105°	0.0	48.8	114.0	162.8	175.0
107.5°	4.1	44.8	105.8	146.5	162.8
110°	4.1	44.8	93.6	138.4	150.6
112.5°	4.1	44.8	89.6	126.2	142.5
115°	4.1	40.7	85.5	118.0	126.2
117.5°	4.1	40.7	81.4	105.8	114.0
120°	4.1	36.6	77.3	97.7	101.8
122.5°	4.1	36.6	73.3	89.6	93.6
125°	4.1	36.6	73.3	85.5	89.6
127.5°	4.1	32.6	69.2	81.4	81.4
130°	4.1	32.6	65.1	77.3	77.3
132.5°	4.1	28.5	61.1	73.3	77.3
135°	4.1	28.5	57.0	69.2	73.3
137.5°	4.1	24.4	52.9	65.1	69.2
140°	4.1	24.4	48.8	61.1	65.1
142.5°	4.1	20.4	44.8	57.0	61.1
145°	4.1	20.4	40.7	52.9	57.0
147.5°	4.1	20.4	36.6	48.8	52.9
150°	4.1	16.3	32.6	44.8	48.8
152.5°	4.1	16.3	28.5	40.7	44.8
155°	4.1	12.2	24.4	36.6	40.7
157.5°	4.1	12.2	24.4	32.6	36.6
160°	8.1	12.2	20.4	28.5	32.6
162.5°	4.1	8.1	20.4	24.4	28.5
165°	8.1	8.1	16.3	20.4	24.4
167.5°	8.1	8.1	12.2	16.3	20.4
170°	8.1	8.1	12.2	12.2	16.3
172.5°	8.1	8.1	8.1	12.2	8.1
175°	8.1	8.1	8.1	8.1	4.1
177.5°	8.1	8.1	8.1	8.1	4.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	8.1	8.1	8.1	8.1	8.1

(END OF REPORT)