

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: P568181

Luminaire Tested: **8SNX-SL3-LC-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568181
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-CC83-CD-3500K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

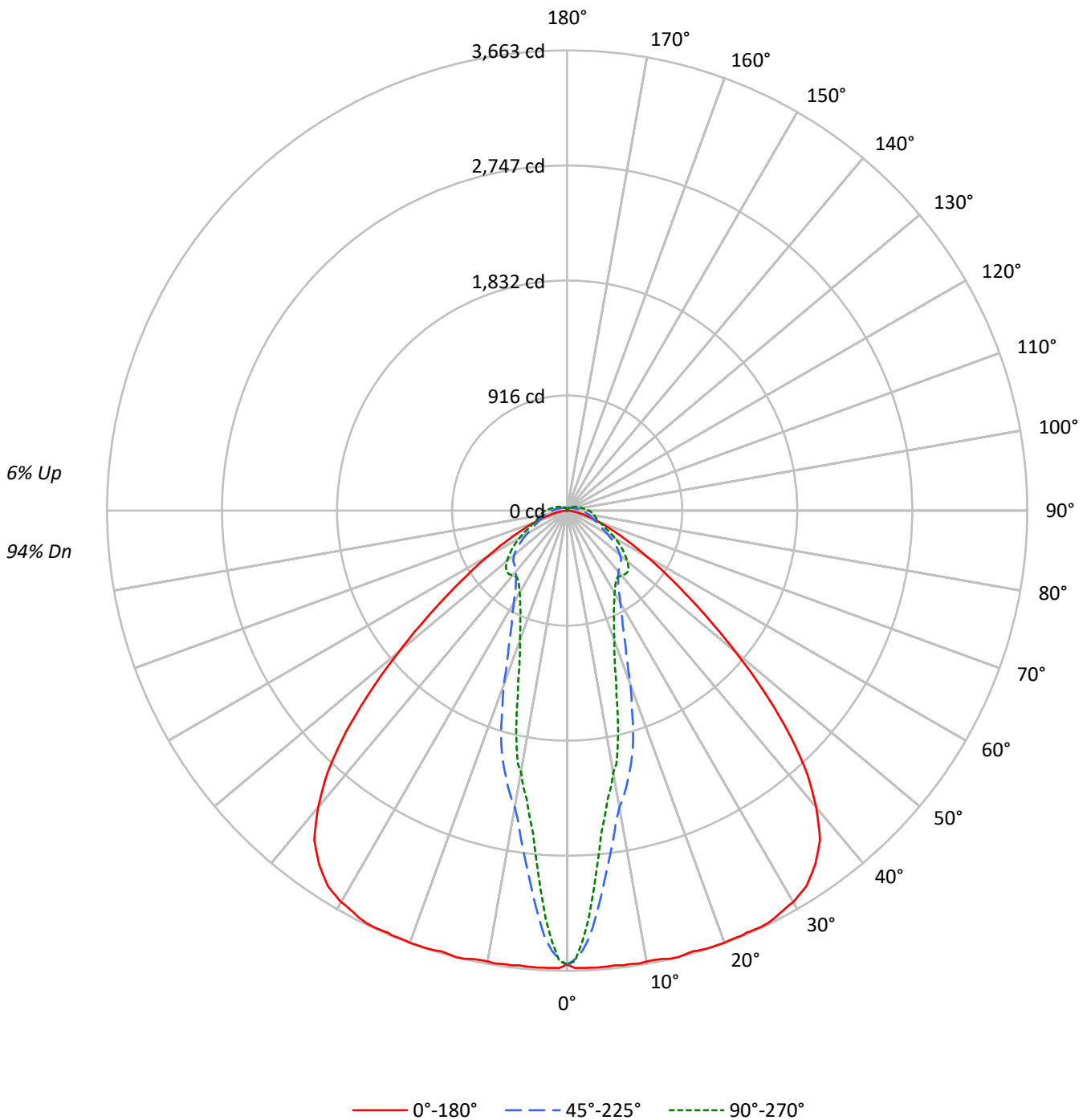
Lumens per Lamp: N/A
Luminaire Lumens: 4453.0 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 33.462
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°	19442	19442	19442
5°	19653	15988	14294
10°	19844	12084	10345
15°	20244	9888	7163
20°	20807	7163	5059
25°	21500	5137	3980
30°	22099	4108	3390
35°	22285	3479	3036
40°	21304	3166	3043
45°	18546	3062	3126
50°	14282	2916	2918
55°	10397	2553	2589
60°	7587	2133	2189
65°	5564	1807	1794
70°	4144	1599	1547
75°	2994	1484	1442
80°	2023	1393	1420
85°	1022	1333	1422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.1	6.4
10°-20°	616.9	13.9
20°-30°	706.2	15.9
30°-40°	707.4	15.9
40°-50°	669.7	15.0
50°-60°	513.6	11.5
60°-70°	331.0	7.4
70°-80°	211.1	4.7
80°-90°	140.2	3.1
90°-100°	94.2	2.1
100°-110°	62.1	1.4
110°-120°	43.2	1.0
120°-130°	30.1	0.7
130°-140°	20.9	0.5
140°-150°	12.8	0.3
150°-160°	6.5	0.1
160°-170°	2.5	0.1
170°-180°	0.5	0.0
0°-30°	1607.2	36.1
0°-40°	2314.6	52.0
0°-60°	3497.8	78.6
0°-90°	4180.1	93.9
90°-120°	199.5	4.5
90°-150°	263.4	5.9
90°-180°	273.0	6.1
0°-180°	4453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3612	3612	3612	3612	3612	
5°	3644	3444	3085	2878	2800	348
15°	3654	2631	2006	1648	1515	1036
25°	3656	1862	1061	922	879	1685
35°	3441	1036	710	687	678	2135
45°	2487	655	598	662	685	1891
55°	1141	468	461	518	539	1049
65°	456	294	290	331	342	469
75°	155	160	201	230	242	171
85°	20	73	142	185	198	28
90°	0	50	119	164	171	1
95°	0	36	98	135	142	0
105°	0	27	64	91	98	2
115°	2	23	48	66	71	2
125°	2	20	41	48	50	2
135°	2	16	32	39	41	2
145°	2	11	23	30	32	1
155°	2	7	14	20	23	1
165°	5	5	9	11	14	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3612.5	3612.5	3612.5	3612.5	3612.5
1°	3642.2	3621.6	3573.7	3587.4	3585.1
2°	3642.2	3598.8	3505.2	3477.8	3436.8
3°	3644.4	3560.0	3400.3	3311.3	3254.2
4°	3644.4	3503.0	3245.1	3096.7	3023.7
5°	3644.4	3443.6	3085.3	2877.7	2800.1
6°	3639.9	3372.9	2923.3	2704.2	2587.8
7°	3646.7	3295.3	2777.3	2542.2	2450.9
8°	3644.4	3204.0	2642.6	2419.0	2318.6
9°	3651.3	3115.0	2496.6	2302.6	2227.3
10°	3644.4	3032.8	2400.7	2193.1	2115.5
11°	3644.4	2953.0	2332.3	2122.3	2056.1
12°	3649.0	2861.7	2257.0	2021.9	1930.6
13°	3660.4	2768.1	2170.2	1912.4	1805.1
14°	3662.7	2697.4	2090.4	1773.2	1661.3
15°	3653.6	2631.2	2005.9	1647.6	1515.3
16°	3649.0	2562.7	1905.5	1529.0	1410.3
17°	3658.1	2482.9	1791.4	1408.0	1298.5
18°	3660.4	2409.8	1670.5	1316.7	1220.9
19°	3660.4	2352.8	1572.3	1232.3	1150.2
20°	3660.4	2298.0	1471.9	1168.4	1097.7
21°	3655.8	2229.6	1357.8	1102.2	1042.9
22.5°	3658.1	2101.8	1227.7	1024.6	976.7
23°	3651.3	2069.8	1195.8	1004.1	953.9
24°	3653.6	1978.5	1127.3	963.0	915.1
25°	3655.8	1862.2	1061.2	921.9	878.6
26°	3651.3	1768.6	1006.4	883.2	853.5
27°	3639.9	1693.3	967.6	851.2	823.8
28°	3623.9	1592.9	926.5	823.8	798.7
29°	3607.9	1478.8	885.4	794.2	775.9
30°	3598.8	1387.5	846.6	771.3	755.4
32.5°	3544.0	1207.2	766.8	725.7	712.0
35°	3441.3	1036.1	709.7	686.9	677.8
37.5°	3306.7	903.7	666.4	661.8	664.1
40°	3085.3	798.7	634.4	654.9	675.5
42.5°	2820.6	716.6	611.6	661.8	684.6
45°	2487.4	654.9	597.9	661.8	684.6
47.5°	2117.7	604.7	581.9	639.0	661.8
50°	1748.1	559.1	550.0	604.7	625.3
52.5°	1421.7	515.7	508.9	561.4	581.9
55°	1141.0	467.8	461.0	518.0	538.6
57.5°	915.1	422.2	415.3	467.8	488.4
60°	730.3	376.5	365.1	417.6	438.2
62.5°	581.9	333.2	326.3	372.0	390.2
65°	456.4	294.4	289.8	330.9	342.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	360.6	257.9	260.2	294.4	308.1
70°	278.4	223.6	237.3	269.3	278.4
72.5°	209.9	189.4	219.1	246.5	257.9
75°	155.2	159.7	200.8	230.5	241.9
77.5°	107.3	132.4	184.8	216.8	228.2
80°	73.0	107.3	168.9	205.4	219.1
82.5°	43.4	89.0	155.2	194.0	209.9
85°	20.5	73.0	141.5	184.8	198.5
87.5°	6.8	59.3	127.8	175.7	187.1
90°	0.0	50.2	118.7	164.3	171.2
92.5°	0.0	43.4	107.3	150.6	155.2
95°	0.0	36.5	98.1	134.6	141.5
97.5°	0.0	34.2	91.3	120.9	130.1
100°	0.0	31.9	82.2	109.5	118.7
102.5°	0.0	27.4	73.0	98.1	107.3
105°	0.0	27.4	63.9	91.3	98.1
107.5°	2.3	25.1	59.3	82.2	91.3
110°	2.3	25.1	52.5	77.6	84.4
112.5°	2.3	25.1	50.2	70.7	79.9
115°	2.3	22.8	47.9	66.2	70.7
117.5°	2.3	22.8	45.6	59.3	63.9
120°	2.3	20.5	43.4	54.8	57.1
122.5°	2.3	20.5	41.1	50.2	52.5
125°	2.3	20.5	41.1	47.9	50.2
127.5°	2.3	18.3	38.8	45.6	45.6
130°	2.3	18.3	36.5	43.4	43.4
132.5°	2.3	16.0	34.2	41.1	43.4
135°	2.3	16.0	31.9	38.8	41.1
137.5°	2.3	13.7	29.7	36.5	38.8
140°	2.3	13.7	27.4	34.2	36.5
142.5°	2.3	11.4	25.1	31.9	34.2
145°	2.3	11.4	22.8	29.7	31.9
147.5°	2.3	11.4	20.5	27.4	29.7
150°	2.3	9.1	18.3	25.1	27.4
152.5°	2.3	9.1	16.0	22.8	25.1
155°	2.3	6.8	13.7	20.5	22.8
157.5°	2.3	6.8	13.7	18.3	20.5
160°	4.6	6.8	11.4	16.0	18.3
162.5°	2.3	4.6	11.4	13.7	16.0
165°	4.6	4.6	9.1	11.4	13.7
167.5°	4.6	4.6	6.8	9.1	11.4
170°	4.6	4.6	6.8	6.8	9.1
172.5°	4.6	4.6	4.6	6.8	4.6
175°	4.6	4.6	4.6	4.6	2.3
177.5°	4.6	4.6	4.6	4.6	2.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)