

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: P568185

Luminaire Tested: **8SNX-SL3-LC-UNV-CC83-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568185
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-4000K-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

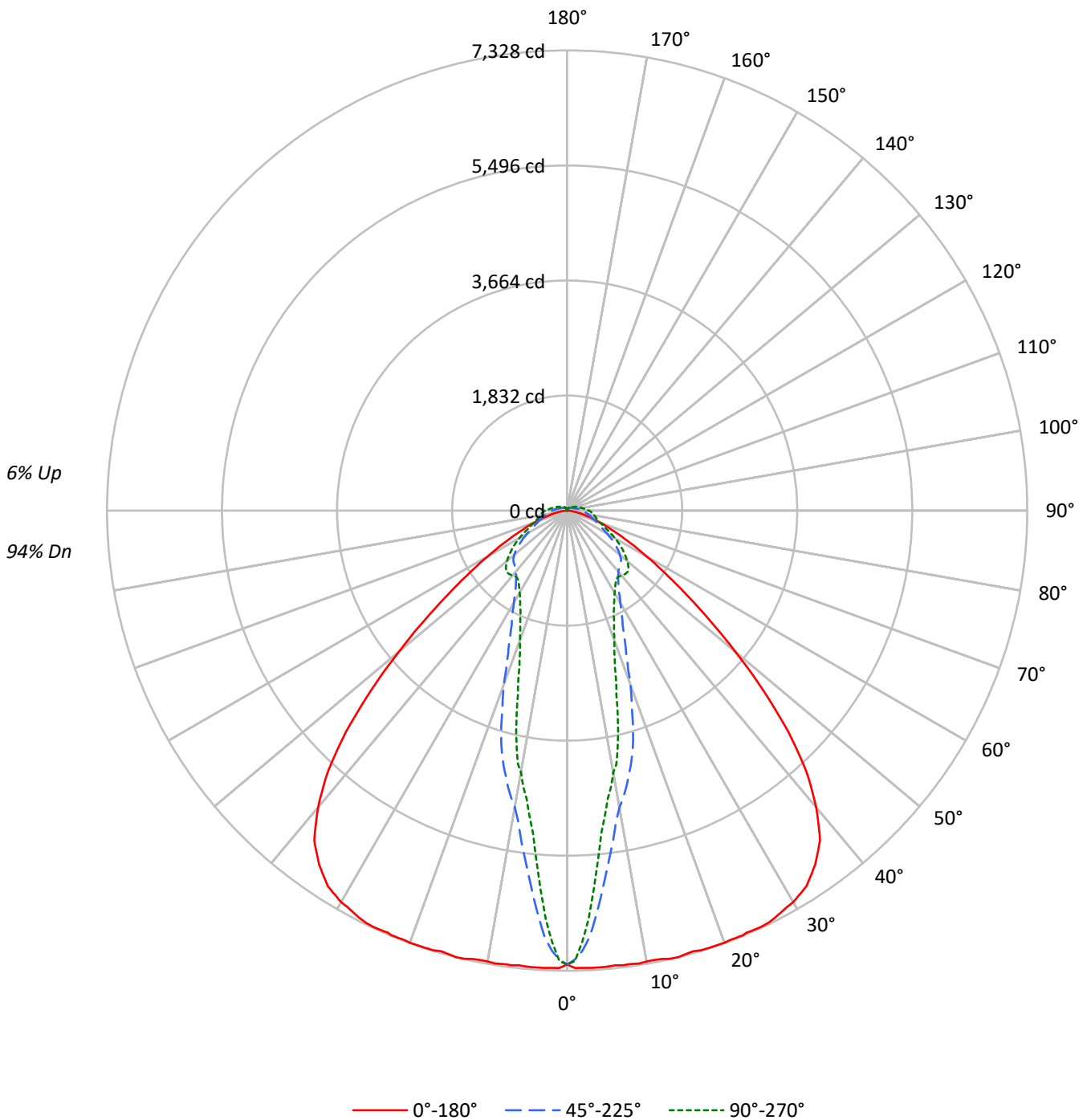
Lumens per Lamp: N/A
Luminaire Lumens: 8909.0 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 64.548
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

TEST NUMBER: P568185

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-4000K-MED

Luminous Intensity Polar Plot





TEST NUMBER: P568185

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-4000K-MED

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°	38898	38898	38898
5°	39320	31988	28597
10°	39701	24176	20697
15°	40502	19784	14331
20°	41628	14330	10122
25°	43016	10277	7963
30°	44213	8220	6781
35°	44585	6960	6074
40°	42622	6333	6088
45°	37105	6126	6255
50°	28573	5833	5837
55°	20801	5108	5179
60°	15178	4269	4379
65°	11131	3615	3589
70°	8290	3199	3095
75°	5991	2969	2885
80°	4050	2787	2841
85°	2050	2666	2845



TEST NUMBER: P568185

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-4000K-MED

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.4	6.4
10°-20°	1234.3	13.9
20°-30°	1412.8	15.9
30°-40°	1415.3	15.9
40°-50°	1339.8	15.0
50°-60°	1027.5	11.5
60°-70°	662.3	7.4
70°-80°	422.3	4.7
80°-90°	280.5	3.1
90°-100°	188.5	2.1
100°-110°	124.2	1.4
110°-120°	86.4	1.0
120°-130°	60.3	0.7
130°-140°	41.9	0.5
140°-150°	25.6	0.3
150°-160°	13.0	0.1
160°-170°	5.0	0.1
170°-180°	1.0	0.0
0°-30°	3215.4	36.1
0°-40°	4630.7	52.0
0°-60°	6998.0	78.6
0°-90°	8363.1	93.9
90°-120°	399.2	4.5
90°-150°	526.9	5.9
90°-180°	546.0	6.1
0°-180°	8909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7227	7227	7227	7227	7227	
5°	7291	6890	6173	5757	5602	696
15°	7310	5264	4013	3296	3032	2073
25°	7314	3726	2123	1844	1758	3372
35°	6885	2073	1420	1374	1356	4272
45°	4977	1310	1196	1324	1370	3784
55°	2283	936	922	1036	1078	2099
65°	913	589	580	662	685	939
75°	310	320	402	461	484	341
85°	41	146	283	370	397	56
90°	0	100	237	329	342	2
95°	0	73	196	269	283	0
105°	0	55	128	183	196	3
115°	5	46	96	132	142	5
125°	5	41	82	96	100	4
135°	5	32	64	78	82	4
145°	5	23	46	59	64	3
155°	5	14	27	41	46	2
165°	9	9	18	23	27	2
175°	9	9	9	9	5	1
180°	9	9	9	9	9	



TEST NUMBER: P568185

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-4000K-MED

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7227.4	7227.4	7227.4	7227.4	7227.4
1°	7286.8	7245.7	7149.8	7177.2	7172.6
2°	7286.8	7200.0	7012.8	6958.0	6875.9
3°	7291.3	7122.4	6802.8	6624.7	6510.6
4°	7291.3	7008.3	6492.3	6195.6	6049.5
5°	7291.3	6889.6	6172.7	5757.3	5602.0
6°	7282.2	6748.0	5848.6	5410.3	5177.4
7°	7295.9	6592.8	5556.4	5086.1	4903.5
8°	7291.3	6410.2	5287.0	4839.6	4638.7
9°	7305.0	6232.1	4994.8	4606.7	4456.1
10°	7291.3	6067.7	4803.1	4387.6	4232.4
11°	7291.3	5907.9	4666.1	4246.0	4113.6
12°	7300.5	5725.3	4515.4	4045.2	3862.5
13°	7323.3	5538.1	4341.9	3826.0	3611.4
14°	7327.9	5396.6	4182.1	3547.5	3323.8
15°	7309.6	5264.2	4013.2	3296.4	3031.6
16°	7300.5	5127.2	3812.3	3059.0	2821.6
17°	7318.7	4967.4	3584.0	2817.0	2597.9
18°	7323.3	4821.3	3342.1	2634.4	2442.6
19°	7323.3	4707.2	3145.7	2465.4	2301.1
20°	7323.3	4597.6	2944.8	2337.6	2196.1
21°	7314.2	4460.6	2716.6	2205.2	2086.5
22.5°	7318.7	4205.0	2456.3	2050.0	1954.1
23°	7305.0	4141.0	2392.4	2008.9	1908.4
24°	7309.6	3958.4	2255.4	1926.7	1830.8
25°	7314.2	3725.6	2123.0	1844.5	1757.8
26°	7305.0	3538.4	2013.4	1766.9	1707.6
27°	7282.2	3387.7	1935.8	1703.0	1648.2
28°	7250.2	3186.8	1853.7	1648.2	1598.0
29°	7218.3	2958.5	1771.5	1588.8	1552.3
30°	7200.0	2775.9	1693.9	1543.2	1511.2
32.5°	7090.4	2415.2	1534.1	1451.9	1424.5
35°	6885.0	2072.8	1419.9	1374.3	1356.0
37.5°	6615.6	1808.0	1333.2	1324.0	1328.6
40°	6172.7	1598.0	1269.2	1310.3	1351.4
42.5°	5643.1	1433.6	1223.6	1324.0	1369.7
45°	4976.6	1310.3	1196.2	1324.0	1369.7
47.5°	4236.9	1209.9	1164.2	1278.4	1324.0
50°	3497.3	1118.6	1100.3	1209.9	1251.0
52.5°	2844.4	1031.8	1018.1	1123.1	1164.2
55°	2282.8	936.0	922.3	1036.4	1077.5
57.5°	1830.8	844.6	830.9	936.0	977.0
60°	1461.0	753.3	730.5	835.5	876.6
62.5°	1164.2	666.6	652.9	744.2	780.7
65°	913.1	589.0	579.8	662.0	684.8



TEST NUMBER: P568185

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-4000K-MED

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	721.4	515.9	520.5	589.0	616.4
70°	557.0	447.4	474.8	538.7	557.0
72.5°	420.0	378.9	438.3	493.1	515.9
75°	310.5	319.6	401.8	461.1	484.0
77.5°	214.6	264.8	369.8	433.7	456.6
80°	146.1	214.6	337.9	410.9	438.3
82.5°	86.7	178.1	310.5	388.1	420.0
85°	41.1	146.1	283.1	369.8	397.2
87.5°	13.7	118.7	255.7	351.6	374.4
90°	0.0	100.4	237.4	328.7	342.4
92.5°	0.0	86.7	214.6	301.3	310.5
95°	0.0	73.1	196.3	269.4	283.1
97.5°	0.0	68.5	182.6	242.0	260.2
100°	0.0	63.9	164.4	219.2	237.4
102.5°	0.0	54.8	146.1	196.3	214.6
105°	0.0	54.8	127.8	182.6	196.3
107.5°	4.6	50.2	118.7	164.4	182.6
110°	4.6	50.2	105.0	155.2	168.9
112.5°	4.6	50.2	100.4	141.5	159.8
115°	4.6	45.7	95.9	132.4	141.5
117.5°	4.6	45.7	91.3	118.7	127.8
120°	4.6	41.1	86.7	109.6	114.1
122.5°	4.6	41.1	82.2	100.4	105.0
125°	4.6	41.1	82.2	95.9	100.4
127.5°	4.6	36.5	77.6	91.3	91.3
130°	4.6	36.5	73.1	86.7	86.7
132.5°	4.6	32.0	68.5	82.2	86.7
135°	4.6	32.0	63.9	77.6	82.2
137.5°	4.6	27.4	59.4	73.1	77.6
140°	4.6	27.4	54.8	68.5	73.1
142.5°	4.6	22.8	50.2	63.9	68.5
145°	4.6	22.8	45.7	59.4	63.9
147.5°	4.6	22.8	41.1	54.8	59.4
150°	4.6	18.3	36.5	50.2	54.8
152.5°	4.6	18.3	32.0	45.7	50.2
155°	4.6	13.7	27.4	41.1	45.7
157.5°	4.6	13.7	27.4	36.5	41.1
160°	9.1	13.7	22.8	32.0	36.5
162.5°	4.6	9.1	22.8	27.4	32.0
165°	9.1	9.1	18.3	22.8	27.4
167.5°	9.1	9.1	13.7	18.3	22.8
170°	9.1	9.1	13.7	13.7	18.3
172.5°	9.1	9.1	9.1	13.7	9.1
175°	9.1	9.1	9.1	9.1	4.6
177.5°	9.1	9.1	9.1	9.1	4.6



TEST NUMBER: P568185

CATALOG NUMBER: 8SNX-SL3-LC-UNV-CC83-CD-4000K-MED

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	9.1	9.1	9.1	9.1	9.1

(END OF REPORT)