

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: P567863

Luminaire Tested: **8SNX-52SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-52SL-SLW-UNV-L935-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

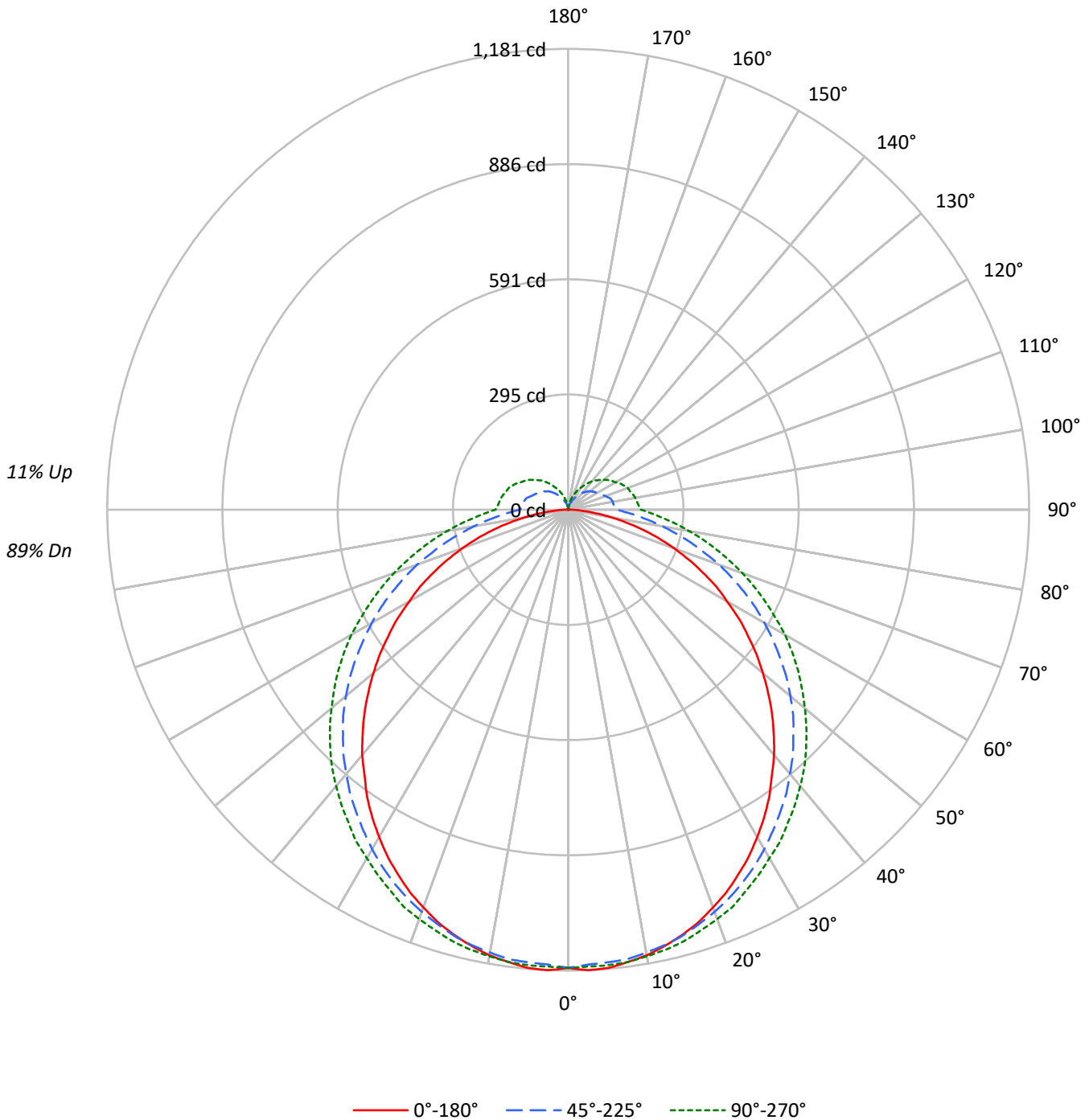
Lumens per Lamp: N/A
Luminaire Lumens: 4180.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P567863

CATALOG NUMBER: 8SNX-52SL-SLW-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567863

CATALOG NUMBER: 8SNX-52SL-SLW-UNV-L935-CD

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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6319	6319	6319
5°	6364	6161	6152
10°	6326	6040	6000
15°	6269	5916	5859
20°	6189	5773	5703
25°	6095	5632	5540
30°	5982	5478	5378
35°	5859	5318	5227
40°	5716	5160	5082
45°	5562	5000	4925
50°	5386	4829	4750
55°	5194	4625	4577
60°	4967	4406	4385
65°	4735	4160	4142
70°	4408	3890	3905
75°	3974	3544	3642
80°	3261	3193	3383
85°	2407	2896	3118



TEST NUMBER: P567863

CATALOG NUMBER: 8SNX-52SL-SLW-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	2.7
10°-20°	320.6	7.7
20°-30°	487.4	11.7
30°-40°	591.7	14.2
40°-50°	625.2	15.0
50°-60°	585.1	14.0
60°-70°	480.1	11.5
70°-80°	330.2	7.9
80°-90°	180.8	4.3
90°-100°	116.4	2.8
100°-110°	104.5	2.5
110°-120°	86.5	2.1
120°-130°	66.6	1.6
130°-140°	46.8	1.1
140°-150°	28.2	0.7
150°-160°	13.5	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	919.5	22.0
0°-40°	1511.2	36.2
0°-60°	2721.5	65.1
0°-90°	3712.6	88.8
90°-120°	307.4	7.4
90°-150°	449.0	10.7
90°-180°	467.0	11.2
0°-180°	4180.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1174	1174	1174	1174	1174	
5°	1179	1177	1164	1174	1172	112
15°	1128	1133	1131	1145	1145	318
25°	1031	1043	1056	1077	1077	475
35°	898	920	947	973	980	561
45°	738	772	816	852	862	569
55°	562	608	663	704	719	503
65°	380	431	496	542	557	376
75°	198	252	324	375	392	209
85°	44	104	177	225	242	50
90°	0	58	124	170	186	3
95°	0	56	119	162	179	0
105°	0	46	111	152	167	2
115°	2	41	94	136	152	2
125°	2	34	80	116	131	2
135°	2	27	65	94	106	2
145°	2	19	46	73	80	2
155°	2	12	29	46	53	1
165°	2	7	14	22	27	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567863

CATALOG NUMBER: 8SNX-52SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1174.2	1174.2	1174.2	1174.2	1174.2
2.5°	1181.4	1179.0	1166.9	1176.6	1171.8
5°	1179.0	1176.6	1164.5	1174.2	1171.8
7.5°	1169.3	1169.3	1162.1	1171.8	1169.3
10°	1159.6	1159.6	1152.4	1164.5	1162.1
12.5°	1145.1	1147.5	1142.7	1157.2	1154.8
15°	1128.2	1133.0	1130.6	1145.1	1145.1
17.5°	1108.8	1113.6	1113.6	1130.6	1130.6
20°	1084.6	1091.9	1096.7	1116.1	1116.1
22.5°	1060.4	1070.1	1077.3	1094.3	1101.5
25°	1031.3	1043.4	1055.5	1077.3	1077.3
27.5°	1002.3	1016.8	1031.3	1053.1	1055.5
30°	968.4	985.3	1004.7	1026.5	1031.3
32.5°	934.5	956.3	975.7	1002.3	1009.5
35°	898.2	920.0	946.6	973.2	980.5
37.5°	857.0	883.7	917.5	946.6	953.9
40°	820.7	849.8	883.7	917.5	924.8
42.5°	779.6	811.0	852.2	883.7	895.8
45°	738.4	772.3	815.9	852.2	861.9
47.5°	694.8	733.6	782.0	815.9	828.0
50°	651.2	692.4	743.2	782.0	791.7
52.5°	607.7	651.2	704.5	743.2	755.3
55°	561.7	607.7	663.3	704.5	719.0
57.5°	518.1	564.1	622.2	665.8	680.3
60°	469.7	522.9	581.0	624.6	641.6
62.5°	428.5	476.9	539.9	583.5	598.0
65°	380.1	430.9	496.3	542.3	556.8
67.5°	334.1	387.4	452.7	501.1	515.7
70°	288.1	341.4	411.6	457.6	474.5
72.5°	242.1	297.8	365.6	416.4	433.4
75°	198.5	251.8	324.4	375.3	392.2
77.5°	152.5	210.6	283.3	334.1	353.5
80°	111.4	171.9	244.5	295.4	314.7
82.5°	75.1	135.6	208.2	259.0	278.4
85°	43.6	104.1	176.7	225.2	242.1
87.5°	21.8	79.9	147.7	196.1	213.0
90°	0.0	58.1	123.5	169.5	186.4
92.5°	0.0	55.7	121.0	164.6	181.6
95°	0.0	55.7	118.6	162.2	179.2
97.5°	0.0	53.3	116.2	162.2	176.7
100°	0.0	50.8	116.2	159.8	174.3
102.5°	0.0	48.4	113.8	157.4	171.9
105°	0.0	46.0	111.4	152.5	167.0
107.5°	2.4	46.0	106.5	150.1	164.6
110°	2.4	43.6	101.7	147.7	162.2



TEST NUMBER: P567863

CATALOG NUMBER: 8SNX-52SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	41.2	96.8	142.8	157.4
115°	2.4	41.2	94.4	135.6	152.5
117.5°	2.4	38.7	89.6	130.7	147.7
120°	2.4	38.7	87.2	125.9	140.4
122.5°	2.4	36.3	82.3	121.0	135.6
125°	2.4	33.9	79.9	116.2	130.7
127.5°	2.4	31.5	77.5	111.4	125.9
130°	2.4	29.1	72.6	106.5	118.6
132.5°	2.4	29.1	70.2	99.3	113.8
135°	2.4	26.6	65.4	94.4	106.5
137.5°	2.4	24.2	60.5	89.6	101.7
140°	2.4	21.8	55.7	84.7	94.4
142.5°	2.4	21.8	50.8	77.5	87.2
145°	2.4	19.4	46.0	72.6	79.9
147.5°	2.4	16.9	41.2	65.4	72.6
150°	2.4	16.9	36.3	58.1	65.4
152.5°	2.4	14.5	31.5	53.3	60.5
155°	2.4	12.1	29.1	46.0	53.3
157.5°	2.4	12.1	24.2	38.7	46.0
160°	2.4	9.7	21.8	31.5	38.7
162.5°	2.4	9.7	19.4	26.6	33.9
165°	2.4	7.3	14.5	21.8	26.6
167.5°	2.4	7.3	12.1	16.9	21.8
170°	2.4	4.8	9.7	12.1	16.9
172.5°	2.4	4.8	7.3	7.3	7.3
175°	2.4	2.4	4.8	4.8	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)