

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: P567859

Luminaire Tested: **8SNX-52SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567859
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-L835-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

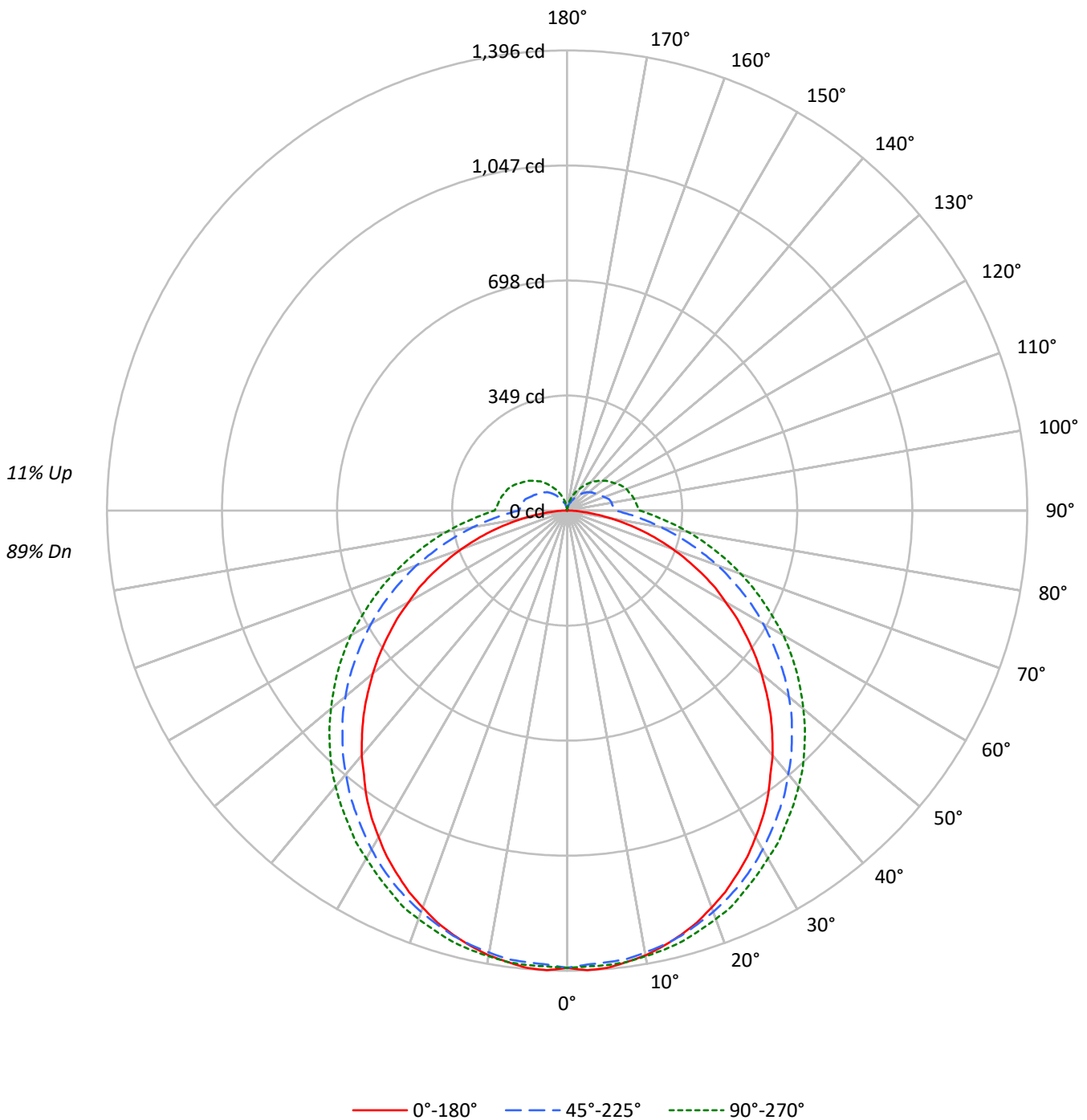
Lumens per Lamp: N/A
Luminaire Lumens: 4938.0 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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

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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	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°	7465	7465	7465
5°	7518	7278	7267
10°	7473	7135	7087
15°	7406	6988	6922
20°	7311	6819	6737
25°	7200	6654	6545
30°	7067	6472	6354
35°	6921	6282	6175
40°	6753	6096	6003
45°	6571	5906	5818
50°	6363	5705	5610
55°	6135	5464	5407
60°	5866	5206	5180
65°	5593	4915	4893
70°	5206	4595	4613
75°	4694	4186	4303
80°	3852	3773	3997
85°	2843	3423	3683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	2.7
10°-20°	378.7	7.7
20°-30°	575.8	11.7
30°-40°	699.0	14.2
40°-50°	738.6	15.0
50°-60°	691.2	14.0
60°-70°	567.1	11.5
70°-80°	390.1	7.9
80°-90°	213.6	4.3
90°-100°	137.6	2.8
100°-110°	123.4	2.5
110°-120°	102.2	2.1
120°-130°	78.7	1.6
130°-140°	55.3	1.1
140°-150°	33.3	0.7
150°-160°	15.9	0.3
160°-170°	5.2	0.1
170°-180°	0.6	0.0
0°-30°	1086.3	22.0
0°-40°	1785.2	36.2
0°-60°	3215.0	65.1
0°-90°	4385.8	88.8
90°-120°	363.2	7.4
90°-150°	530.4	10.7
90°-180°	552.0	11.2
0°-180°	4938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1387	1387	1387	1387	1387	
5°	1393	1390	1376	1387	1384	132
15°	1333	1338	1336	1353	1353	376
25°	1218	1233	1247	1273	1273	561
35°	1061	1087	1118	1150	1158	663
45°	872	912	964	1007	1018	672
55°	664	718	784	832	849	594
65°	449	509	586	641	658	445
75°	234	297	383	443	463	247
85°	52	123	209	266	286	60
90°	0	69	146	200	220	4
95°	0	66	140	192	212	0
105°	0	54	132	180	197	2
115°	3	49	112	160	180	3
125°	3	40	94	137	154	3
135°	3	32	77	112	126	2
145°	3	23	54	86	94	2
155°	3	14	34	54	63	1
165°	3	9	17	26	32	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1387.1	1387.1	1387.1	1387.1	1387.1
2.5°	1395.7	1392.8	1378.5	1390.0	1384.2
5°	1392.8	1390.0	1375.7	1387.1	1384.2
7.5°	1381.4	1381.4	1372.8	1384.2	1381.4
10°	1369.9	1369.9	1361.4	1375.7	1372.8
12.5°	1352.8	1355.6	1349.9	1367.1	1364.2
15°	1332.8	1338.5	1335.6	1352.8	1352.8
17.5°	1309.9	1315.6	1315.6	1335.6	1335.6
20°	1281.3	1289.9	1295.6	1318.5	1318.5
22.5°	1252.7	1264.1	1272.7	1292.7	1301.3
25°	1218.4	1232.7	1247.0	1272.7	1272.7
27.5°	1184.0	1201.2	1218.4	1244.1	1247.0
30°	1144.0	1164.0	1186.9	1212.6	1218.4
32.5°	1104.0	1129.7	1152.6	1184.0	1192.6
35°	1061.1	1086.8	1118.3	1149.7	1158.3
37.5°	1012.4	1043.9	1083.9	1118.3	1126.8
40°	969.5	1003.9	1043.9	1083.9	1092.5
42.5°	920.9	958.1	1006.7	1043.9	1058.2
45°	872.3	912.3	963.8	1006.7	1018.2
47.5°	820.8	866.6	923.8	963.8	978.1
50°	769.3	818.0	878.0	923.8	935.2
52.5°	717.9	769.3	832.3	878.0	892.3
55°	663.5	717.9	783.6	832.3	849.4
57.5°	612.0	666.4	735.0	786.5	803.7
60°	554.8	617.8	686.4	737.9	757.9
62.5°	506.2	563.4	637.8	689.3	706.4
65°	449.0	509.1	586.3	640.6	657.8
67.5°	394.7	457.6	534.8	592.0	609.2
70°	340.3	403.3	486.2	540.5	560.6
72.5°	286.0	351.8	431.9	491.9	511.9
75°	234.5	297.4	383.2	443.3	463.3
77.5°	180.2	248.8	334.6	394.7	417.6
80°	131.6	203.1	288.9	348.9	371.8
82.5°	88.7	160.2	246.0	306.0	328.9
85°	51.5	123.0	208.8	266.0	286.0
87.5°	25.7	94.4	174.5	231.7	251.7
90°	0.0	68.6	145.9	200.2	220.2
92.5°	0.0	65.8	143.0	194.5	214.5
95°	0.0	65.8	140.1	191.6	211.6
97.5°	0.0	62.9	137.3	191.6	208.8
100°	0.0	60.1	137.3	188.8	205.9
102.5°	0.0	57.2	134.4	185.9	203.1
105°	0.0	54.3	131.6	180.2	197.3
107.5°	2.9	54.3	125.8	177.3	194.5
110°	2.9	51.5	120.1	174.5	191.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	48.6	114.4	168.7	185.9
115°	2.9	48.6	111.5	160.2	180.2
117.5°	2.9	45.8	105.8	154.4	174.5
120°	2.9	45.8	103.0	148.7	165.9
122.5°	2.9	42.9	97.2	143.0	160.2
125°	2.9	40.0	94.4	137.3	154.4
127.5°	2.9	37.2	91.5	131.6	148.7
130°	2.9	34.3	85.8	125.8	140.1
132.5°	2.9	34.3	82.9	117.3	134.4
135°	2.9	31.5	77.2	111.5	125.8
137.5°	2.9	28.6	71.5	105.8	120.1
140°	2.9	25.7	65.8	100.1	111.5
142.5°	2.9	25.7	60.1	91.5	103.0
145°	2.9	22.9	54.3	85.8	94.4
147.5°	2.9	20.0	48.6	77.2	85.8
150°	2.9	20.0	42.9	68.6	77.2
152.5°	2.9	17.2	37.2	62.9	71.5
155°	2.9	14.3	34.3	54.3	62.9
157.5°	2.9	14.3	28.6	45.8	54.3
160°	2.9	11.4	25.7	37.2	45.8
162.5°	2.9	11.4	22.9	31.5	40.0
165°	2.9	8.6	17.2	25.7	31.5
167.5°	2.9	8.6	14.3	20.0	25.7
170°	2.9	5.7	11.4	14.3	20.0
172.5°	2.9	5.7	8.6	8.6	8.6
175°	2.9	2.9	5.7	5.7	2.9
177.5°	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)