

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: P567850

Luminaire Tested: **8SNX-52SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567850
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-LW-UNV-L830-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

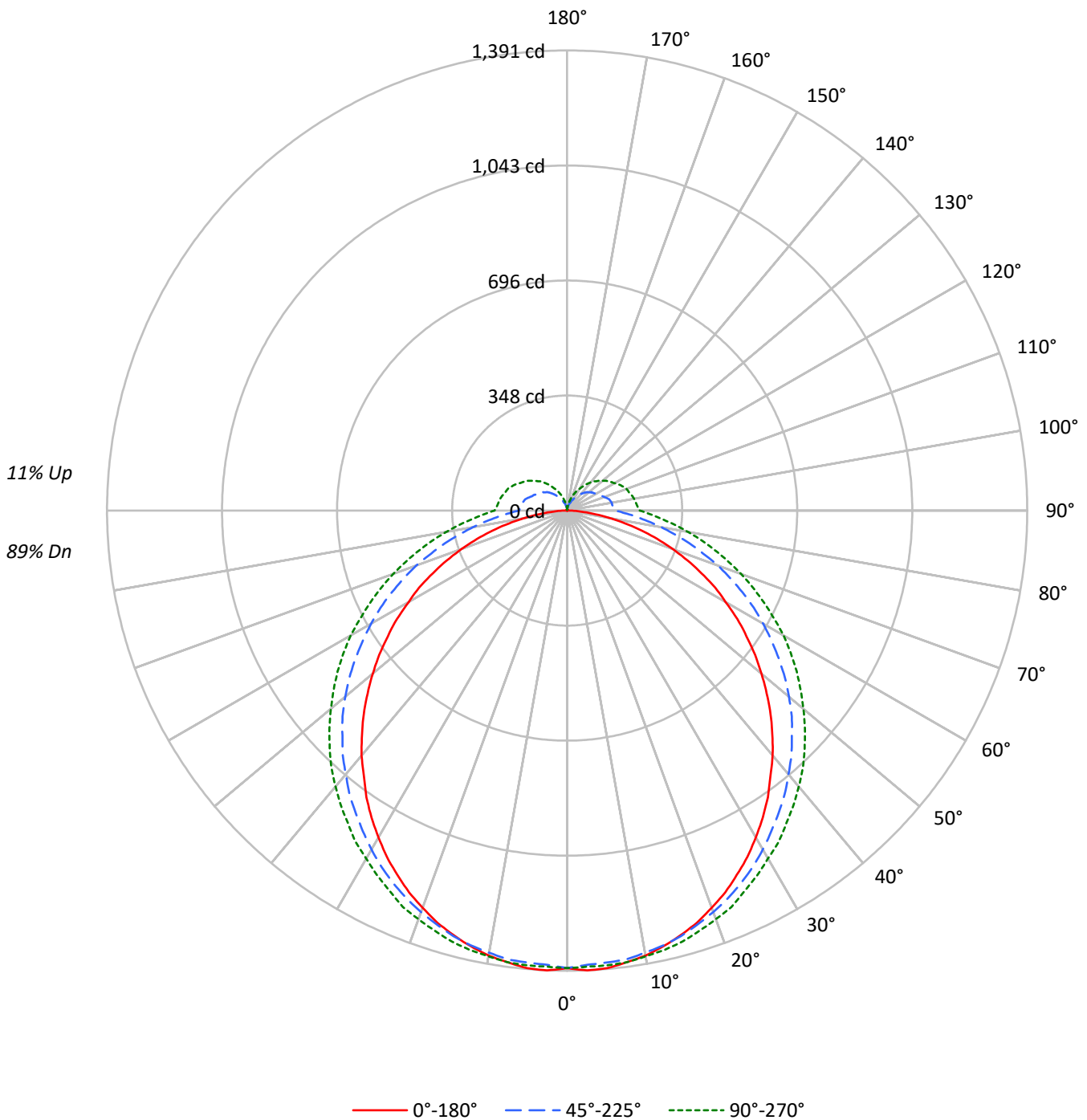
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4923.1 lumens
Efficiency: N/A
Efficacy: 150.1 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 32.8
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	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°	7443	7443	7443
5°	7488	7107	7045
10°	7437	6831	6693
15°	7362	6564	6376
20°	7261	6285	6059
25°	7144	6018	5748
30°	7003	5742	5451
35°	6850	5465	5173
40°	6674	5193	4907
45°	6484	4921	4636
50°	6266	4641	4350
55°	6028	4327	4070
60°	5747	3999	3775
65°	5458	3644	3437
70°	5050	3265	3106
75°	4511	2823	2754
80°	3637	2376	2403
85°	2559	1960	2042



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	2.7
10°-20°	377.5	7.7
20°-30°	574.1	11.7
30°-40°	696.9	14.2
40°-50°	736.4	15.0
50°-60°	689.1	14.0
60°-70°	565.4	11.5
70°-80°	388.9	7.9
80°-90°	213.0	4.3
90°-100°	137.1	2.8
100°-110°	123.1	2.5
110°-120°	101.9	2.1
120°-130°	78.4	1.6
130°-140°	55.1	1.1
140°-150°	33.2	0.7
150°-160°	15.9	0.3
160°-170°	5.2	0.1
170°-180°	0.6	0.0
0°-30°	1083.0	22.0
0°-40°	1779.8	36.2
0°-60°	3205.3	65.1
0°-90°	4372.5	88.8
90°-120°	362.1	7.4
90°-150°	528.8	10.7
90°-180°	551.0	11.2
0°-180°	4923.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1383	1383	1383	1383	1383	
5°	1389	1386	1372	1383	1380	132
15°	1329	1334	1332	1349	1349	375
25°	1215	1229	1243	1269	1269	560
35°	1058	1084	1115	1146	1155	661
45°	870	910	961	1004	1015	670
55°	662	716	781	830	847	592
65°	448	508	584	639	656	443
75°	234	296	382	442	462	246
85°	51	123	208	265	285	59
90°	0	68	145	200	220	4
95°	0	66	140	191	211	0
105°	0	54	131	180	197	2
115°	3	48	111	160	180	3
125°	3	40	94	137	154	3
135°	3	31	77	111	126	2
145°	3	23	54	86	94	2
155°	3	14	34	54	63	1
165°	3	9	17	26	31	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 8SNX-52SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1382.9	1382.9	1382.9	1382.9	1382.9
2.5°	1391.4	1388.6	1374.3	1385.7	1380.0
5°	1388.6	1385.7	1371.5	1382.9	1380.0
7.5°	1377.2	1377.2	1368.6	1380.0	1377.2
10°	1365.8	1365.8	1357.2	1371.5	1368.6
12.5°	1348.7	1351.5	1345.8	1362.9	1360.1
15°	1328.7	1334.4	1331.6	1348.7	1348.7
17.5°	1305.9	1311.6	1311.6	1331.6	1331.6
20°	1277.4	1285.9	1291.6	1314.5	1314.5
22.5°	1248.9	1260.3	1268.8	1288.8	1297.3
25°	1214.7	1228.9	1243.2	1268.8	1268.8
27.5°	1180.4	1197.5	1214.7	1240.3	1243.2
30°	1140.5	1160.5	1183.3	1209.0	1214.7
32.5°	1100.6	1126.3	1149.1	1180.4	1189.0
35°	1057.8	1083.5	1114.9	1146.2	1154.8
37.5°	1009.4	1040.7	1080.6	1114.9	1123.4
40°	966.6	1000.8	1040.7	1080.6	1089.2
42.5°	918.1	955.2	1003.7	1040.7	1055.0
45°	869.6	909.6	960.9	1003.7	1015.1
47.5°	818.3	863.9	921.0	960.9	975.1
50°	767.0	815.5	875.4	921.0	932.4
52.5°	715.7	767.0	829.7	875.4	889.6
55°	661.5	715.7	781.3	829.7	846.8
57.5°	610.2	664.4	732.8	784.1	801.2
60°	553.2	615.9	684.3	735.6	755.6
62.5°	504.7	561.7	635.8	687.2	704.3
65°	447.7	507.5	584.5	638.7	655.8
67.5°	393.5	456.2	533.2	590.2	607.3
70°	339.3	402.0	484.7	538.9	558.9
72.5°	285.1	350.7	430.5	490.4	510.4
75°	233.8	296.5	382.1	442.0	461.9
77.5°	179.6	248.1	333.6	393.5	416.3
80°	131.2	202.4	288.0	347.9	370.7
82.5°	88.4	159.7	245.2	305.1	327.9
85°	51.3	122.6	208.1	265.2	285.1
87.5°	25.7	94.1	173.9	231.0	250.9
90°	0.0	68.4	145.4	199.6	219.6
92.5°	0.0	65.6	142.6	193.9	213.8
95°	0.0	65.6	139.7	191.0	211.0
97.5°	0.0	62.7	136.9	191.0	208.1
100°	0.0	59.9	136.9	188.2	205.3
102.5°	0.0	57.0	134.0	185.3	202.4
105°	0.0	54.2	131.2	179.6	196.7
107.5°	2.9	54.2	125.5	176.8	193.9
110°	2.9	51.3	119.8	173.9	191.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	48.5	114.1	168.2	185.3
115°	2.9	48.5	111.2	159.7	179.6
117.5°	2.9	45.6	105.5	154.0	173.9
120°	2.9	45.6	102.6	148.3	165.4
122.5°	2.9	42.8	96.9	142.6	159.7
125°	2.9	39.9	94.1	136.9	154.0
127.5°	2.9	37.1	91.2	131.2	148.3
130°	2.9	34.2	85.5	125.5	139.7
132.5°	2.9	34.2	82.7	116.9	134.0
135°	2.9	31.4	77.0	111.2	125.5
137.5°	2.9	28.5	71.3	105.5	119.8
140°	2.9	25.7	65.6	99.8	111.2
142.5°	2.9	25.7	59.9	91.2	102.6
145°	2.9	22.8	54.2	85.5	94.1
147.5°	2.9	20.0	48.5	77.0	85.5
150°	2.9	20.0	42.8	68.4	77.0
152.5°	2.9	17.1	37.1	62.7	71.3
155°	2.9	14.3	34.2	54.2	62.7
157.5°	2.9	14.3	28.5	45.6	54.2
160°	2.9	11.4	25.7	37.1	45.6
162.5°	2.9	11.4	22.8	31.4	39.9
165°	2.9	8.6	17.1	25.7	31.4
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)