

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: P567858

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567858
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-L830-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

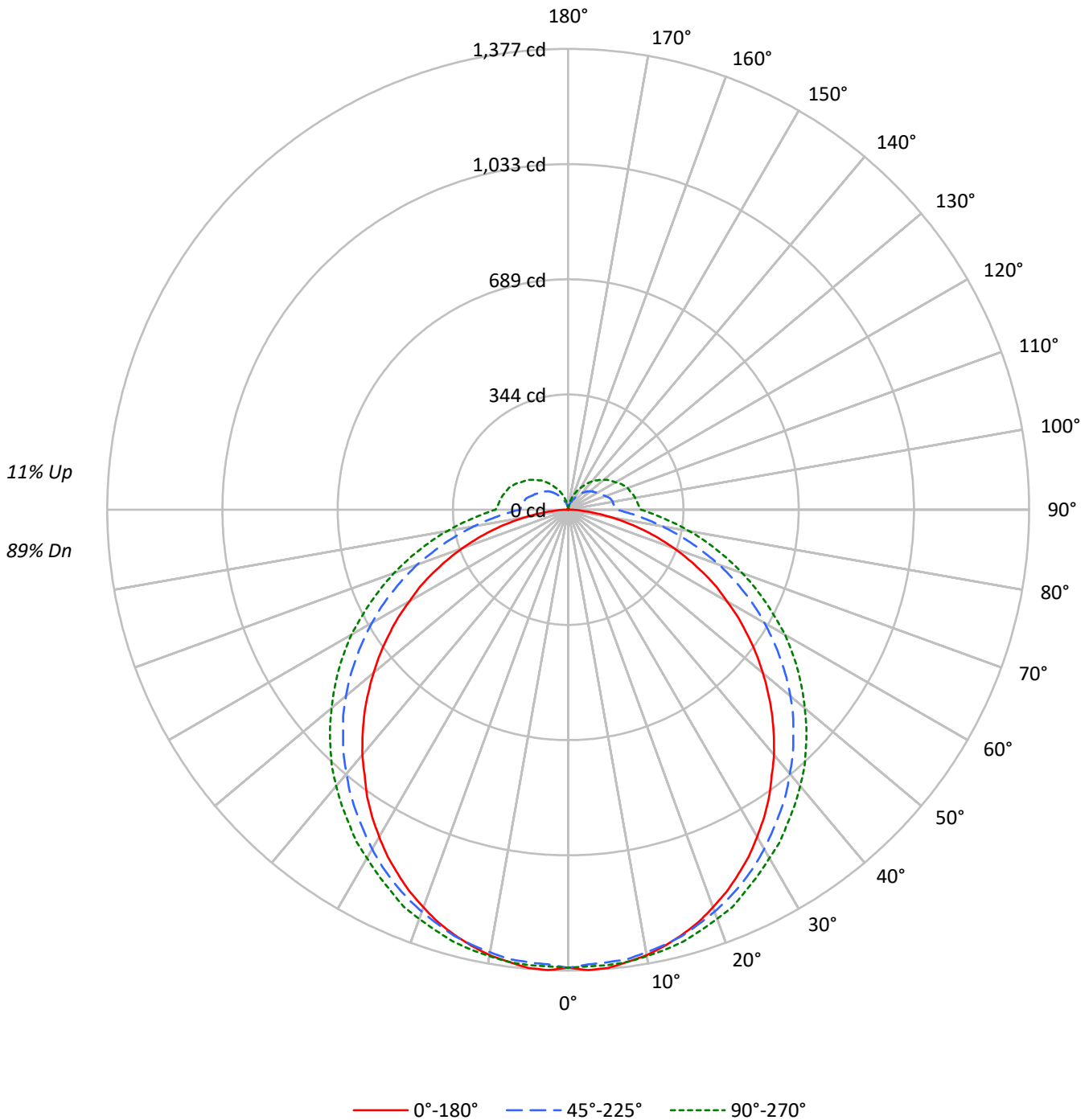
Lumens per Lamp: N/A
Luminaire Lumens: 4872.0 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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	77	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°	7366	7366	7366
5°	7417	7181	7170
10°	7373	7040	6992
15°	7306	6895	6829
20°	7213	6728	6647
25°	7104	6565	6457
30°	6973	6385	6269
35°	6829	6198	6092
40°	6663	6014	5923
45°	6483	5827	5740
50°	6278	5629	5535
55°	6053	5391	5335
60°	5788	5136	5111
65°	5519	4849	4828
70°	5138	4533	4552
75°	4632	4130	4245
80°	3799	3722	3943
85°	2804	3377	3634



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	2.7
10°-20°	373.6	7.7
20°-30°	568.1	11.7
30°-40°	689.6	14.2
40°-50°	728.7	15.0
50°-60°	681.9	14.0
60°-70°	559.5	11.5
70°-80°	384.8	7.9
80°-90°	210.8	4.3
90°-100°	135.7	2.8
100°-110°	121.8	2.5
110°-120°	100.8	2.1
120°-130°	77.6	1.6
130°-140°	54.5	1.1
140°-150°	32.9	0.7
150°-160°	15.7	0.3
160°-170°	5.2	0.1
170°-180°	0.6	0.0
0°-30°	1071.7	22.0
0°-40°	1761.4	36.2
0°-60°	3172.0	65.1
0°-90°	4327.2	88.8
90°-120°	358.3	7.4
90°-150°	523.3	10.7
90°-180°	545.0	11.2
0°-180°	4872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1369	1369	1369	1369	1369	
5°	1374	1371	1357	1369	1366	130
15°	1315	1321	1318	1335	1335	371
25°	1202	1216	1230	1256	1256	554
35°	1047	1072	1103	1134	1143	654
45°	861	900	951	993	1004	663
55°	655	708	773	821	838	586
65°	443	502	578	632	649	439
75°	231	294	378	437	457	244
85°	51	121	206	262	282	59
90°	0	68	144	198	217	3
95°	0	65	138	189	209	0
105°	0	54	130	178	195	2
115°	3	48	110	158	178	3
125°	3	40	93	135	152	3
135°	3	31	76	110	124	2
145°	3	23	54	85	93	2
155°	3	14	34	54	62	1
165°	3	8	17	25	31	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°	1368.6	1368.6	1368.6	1368.6	1368.6
2.5°	1377.0	1374.2	1360.1	1371.4	1365.7
5°	1374.2	1371.4	1357.3	1368.6	1365.7
7.5°	1362.9	1362.9	1354.4	1365.7	1362.9
10°	1351.6	1351.6	1343.2	1357.3	1354.4
12.5°	1334.7	1337.5	1331.9	1348.8	1346.0
15°	1314.9	1320.6	1317.8	1334.7	1334.7
17.5°	1292.4	1298.0	1298.0	1317.8	1317.8
20°	1264.2	1272.6	1278.3	1300.8	1300.8
22.5°	1235.9	1247.2	1255.7	1275.4	1283.9
25°	1202.1	1216.2	1230.3	1255.7	1255.7
27.5°	1168.2	1185.1	1202.1	1227.5	1230.3
30°	1128.7	1148.5	1171.0	1196.4	1202.1
32.5°	1089.2	1114.6	1137.2	1168.2	1176.7
35°	1046.9	1072.3	1103.3	1134.3	1142.8
37.5°	998.9	1029.9	1069.4	1103.3	1111.8
40°	956.6	990.4	1029.9	1069.4	1077.9
42.5°	908.6	945.3	993.3	1029.9	1044.1
45°	860.6	900.1	950.9	993.3	1004.5
47.5°	809.8	855.0	911.4	950.9	965.0
50°	759.1	807.0	866.3	911.4	922.7
52.5°	708.3	759.1	821.1	866.3	880.4
55°	654.6	708.3	773.2	821.1	838.1
57.5°	603.9	657.5	725.2	776.0	792.9
60°	547.4	609.5	677.2	728.0	747.8
62.5°	499.5	555.9	629.3	680.0	697.0
65°	443.0	502.3	578.5	632.1	649.0
67.5°	389.4	451.5	527.7	584.1	601.0
70°	335.8	397.9	479.7	533.3	553.1
72.5°	282.2	347.1	426.1	485.3	505.1
75°	231.4	293.5	378.1	437.4	457.1
77.5°	177.8	245.5	330.1	389.4	412.0
80°	129.8	200.3	285.0	344.3	366.8
82.5°	87.5	158.0	242.7	301.9	324.5
85°	50.8	121.3	206.0	262.4	282.2
87.5°	25.4	93.1	172.1	228.6	248.3
90°	0.0	67.7	143.9	197.5	217.3
92.5°	0.0	64.9	141.1	191.9	211.6
95°	0.0	64.9	138.3	189.1	208.8
97.5°	0.0	62.1	135.4	189.1	206.0
100°	0.0	59.3	135.4	186.2	203.2
102.5°	0.0	56.4	132.6	183.4	200.3
105°	0.0	53.6	129.8	177.8	194.7
107.5°	2.8	53.6	124.2	174.9	191.9
110°	2.8	50.8	118.5	172.1	189.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	48.0	112.9	166.5	183.4
115°	2.8	48.0	110.0	158.0	177.8
117.5°	2.8	45.1	104.4	152.4	172.1
120°	2.8	45.1	101.6	146.7	163.7
122.5°	2.8	42.3	95.9	141.1	158.0
125°	2.8	39.5	93.1	135.4	152.4
127.5°	2.8	36.7	90.3	129.8	146.7
130°	2.8	33.9	84.7	124.2	138.3
132.5°	2.8	33.9	81.8	115.7	132.6
135°	2.8	31.0	76.2	110.0	124.2
137.5°	2.8	28.2	70.5	104.4	118.5
140°	2.8	25.4	64.9	98.8	110.0
142.5°	2.8	25.4	59.3	90.3	101.6
145°	2.8	22.6	53.6	84.7	93.1
147.5°	2.8	19.8	48.0	76.2	84.7
150°	2.8	19.8	42.3	67.7	76.2
152.5°	2.8	16.9	36.7	62.1	70.5
155°	2.8	14.1	33.9	53.6	62.1
157.5°	2.8	14.1	28.2	45.1	53.6
160°	2.8	11.3	25.4	36.7	45.1
162.5°	2.8	11.3	22.6	31.0	39.5
165°	2.8	8.5	16.9	25.4	31.0
167.5°	2.8	8.5	14.1	19.8	25.4
170°	2.8	5.6	11.3	14.1	19.8
172.5°	2.8	5.6	8.5	8.5	8.5
175°	2.8	2.8	5.6	5.6	2.8
177.5°	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)