

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: P567864

Luminaire Tested: **8SNX-52SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567864
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-L940-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

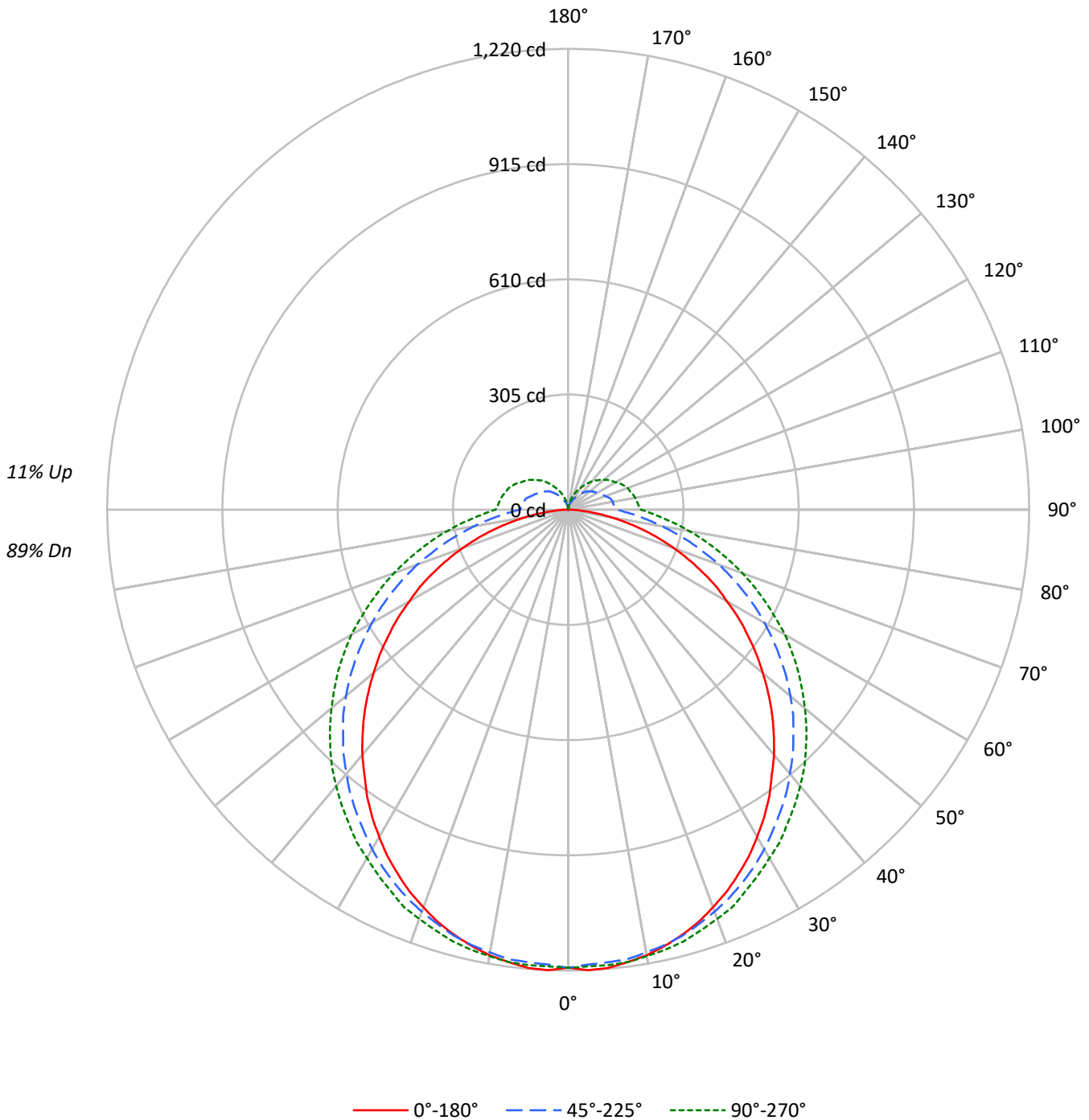
Lumens per Lamp: N/A
Luminaire Lumens: 4316.9 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	6527	6527	6527
5°	6573	6363	6354
10°	6533	6238	6196
15°	6474	6109	6051
20°	6391	5962	5890
25°	6294	5817	5721
30°	6178	5657	5554
35°	6051	5492	5398
40°	5904	5329	5248
45°	5745	5163	5086
50°	5563	4988	4905
55°	5364	4777	4727
60°	5129	4551	4528
65°	4891	4297	4278
70°	4552	4017	4033
75°	4104	3660	3762
80°	3366	3298	3494
85°	2484	2992	3220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	2.7
10°-20°	331.1	7.7
20°-30°	503.4	11.7
30°-40°	611.1	14.2
40°-50°	645.7	15.0
50°-60°	604.3	14.0
60°-70°	495.8	11.5
70°-80°	341.0	7.9
80°-90°	186.7	4.3
90°-100°	120.2	2.8
100°-110°	107.9	2.5
110°-120°	89.3	2.1
120°-130°	68.8	1.6
130°-140°	48.3	1.1
140°-150°	29.1	0.7
150°-160°	13.9	0.3
160°-170°	4.6	0.1
170°-180°	0.5	0.0
0°-30°	949.6	22.0
0°-40°	1560.7	36.2
0°-60°	2810.7	65.1
0°-90°	3834.2	88.8
90°-120°	317.4	7.4
90°-150°	463.6	10.7
90°-180°	483.0	11.2
0°-180°	4316.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1213	1213	1213	1213	1213	
5°	1218	1215	1203	1213	1210	115
15°	1165	1170	1168	1183	1183	329
25°	1065	1078	1090	1113	1113	491
35°	928	950	978	1005	1013	579
45°	763	798	843	880	890	588
55°	580	628	685	728	743	519
65°	393	445	513	560	575	389
75°	205	260	335	388	405	216
85°	45	108	182	232	250	52
90°	0	60	128	175	192	3
95°	0	58	122	168	185	0
105°	0	48	115	158	172	2
115°	2	42	98	140	158	2
125°	2	35	82	120	135	2
135°	2	28	68	98	110	2
145°	2	20	48	75	82	2
155°	2	12	30	48	55	1
165°	2	8	15	22	28	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1220.2	1217.7	1205.2	1215.2	1210.2
5°	1217.7	1215.2	1202.7	1212.7	1210.2
7.5°	1207.7	1207.7	1200.2	1210.2	1207.7
10°	1197.7	1197.7	1190.2	1202.7	1200.2
12.5°	1182.7	1185.2	1180.2	1195.2	1192.7
15°	1165.1	1170.1	1167.6	1182.7	1182.7
17.5°	1145.1	1150.1	1150.1	1167.6	1167.6
20°	1120.1	1127.6	1132.6	1152.6	1152.6
22.5°	1095.1	1105.1	1112.6	1130.1	1137.6
25°	1065.1	1077.6	1090.1	1112.6	1112.6
27.5°	1035.1	1050.1	1065.1	1087.6	1090.1
30°	1000.1	1017.6	1037.6	1060.1	1065.1
32.5°	965.1	987.6	1007.6	1035.1	1042.6
35°	927.6	950.1	977.6	1005.1	1012.6
37.5°	885.1	912.6	947.6	977.6	985.1
40°	847.6	877.6	912.6	947.6	955.1
42.5°	805.1	837.6	880.1	912.6	925.1
45°	762.6	797.6	842.6	880.1	890.1
47.5°	717.6	757.6	807.6	842.6	855.1
50°	672.6	715.1	767.6	807.6	817.6
52.5°	627.6	672.6	727.6	767.6	780.1
55°	580.1	627.6	685.1	727.6	742.6
57.5°	535.1	582.6	642.6	687.6	702.6
60°	485.1	540.1	600.1	645.1	662.6
62.5°	442.6	492.6	557.6	602.6	617.6
65°	392.6	445.1	512.6	560.1	575.1
67.5°	345.0	400.1	467.6	517.6	532.6
70°	297.5	352.5	425.1	472.6	490.1
72.5°	250.0	307.5	377.5	430.1	447.6
75°	205.0	260.0	335.0	387.5	405.1
77.5°	157.5	217.5	292.5	345.0	365.0
80°	115.0	177.5	252.5	305.0	325.0
82.5°	77.5	140.0	215.0	267.5	287.5
85°	45.0	107.5	182.5	232.5	250.0
87.5°	22.5	82.5	152.5	202.5	220.0
90°	0.0	60.0	127.5	175.0	192.5
92.5°	0.0	57.5	125.0	170.0	187.5
95°	0.0	57.5	122.5	167.5	185.0
97.5°	0.0	55.0	120.0	167.5	182.5
100°	0.0	52.5	120.0	165.0	180.0
102.5°	0.0	50.0	117.5	162.5	177.5
105°	0.0	47.5	115.0	157.5	172.5
107.5°	2.5	47.5	110.0	155.0	170.0
110°	2.5	45.0	105.0	152.5	167.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	42.5	100.0	147.5	162.5
115°	2.5	42.5	97.5	140.0	157.5
117.5°	2.5	40.0	92.5	135.0	152.5
120°	2.5	40.0	90.0	130.0	145.0
122.5°	2.5	37.5	85.0	125.0	140.0
125°	2.5	35.0	82.5	120.0	135.0
127.5°	2.5	32.5	80.0	115.0	130.0
130°	2.5	30.0	75.0	110.0	122.5
132.5°	2.5	30.0	72.5	102.5	117.5
135°	2.5	27.5	67.5	97.5	110.0
137.5°	2.5	25.0	62.5	92.5	105.0
140°	2.5	22.5	57.5	87.5	97.5
142.5°	2.5	22.5	52.5	80.0	90.0
145°	2.5	20.0	47.5	75.0	82.5
147.5°	2.5	17.5	42.5	67.5	75.0
150°	2.5	17.5	37.5	60.0	67.5
152.5°	2.5	15.0	32.5	55.0	62.5
155°	2.5	12.5	30.0	47.5	55.0
157.5°	2.5	12.5	25.0	40.0	47.5
160°	2.5	10.0	22.5	32.5	40.0
162.5°	2.5	10.0	20.0	27.5	35.0
165°	2.5	7.5	15.0	22.5	27.5
167.5°	2.5	7.5	12.5	17.5	22.5
170°	2.5	5.0	10.0	12.5	17.5
172.5°	2.5	5.0	7.5	7.5	7.5
175°	2.5	2.5	5.0	5.0	2.5
177.5°	2.5	2.5	2.5	2.5	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)