

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: P566123

Luminaire Tested: **4SNX-20SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566123
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: 4SNX-20SL-SLW-UNV-L935-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

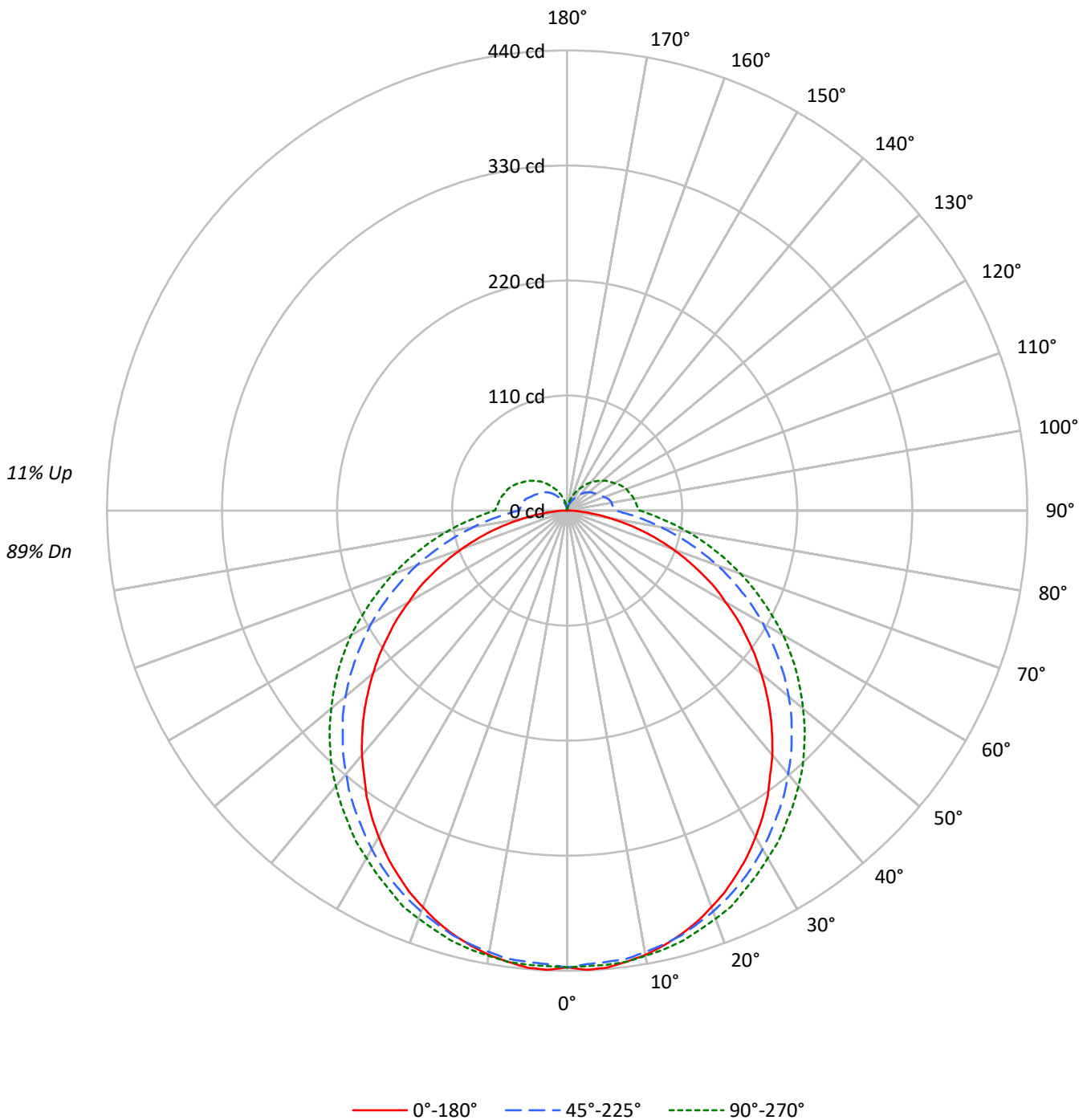
Lumens per Lamp: N/A
Luminaire Lumens: 1554.9 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 12.1
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	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°	4702	4702	4702
5°	4730	4581	4577
10°	4698	4488	4464
15°	4651	4393	4359
20°	4587	4285	4243
25°	4513	4178	4122
30°	4425	4061	4002
35°	4327	3939	3889
40°	4216	3819	3780
45°	4097	3698	3664
50°	3960	3569	3534
55°	3807	3415	3405
60°	3630	3250	3263
65°	3448	3063	3081
70°	3192	2859	2905
75°	2852	2600	2710
80°	2296	2336	2518
85°	1617	2107	2321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	2.7
10°-20°	119.3	7.7
20°-30°	181.3	11.7
30°-40°	220.1	14.2
40°-50°	232.6	15.0
50°-60°	217.7	14.0
60°-70°	178.6	11.5
70°-80°	122.8	7.9
80°-90°	67.3	4.3
90°-100°	43.3	2.8
100°-110°	38.8	2.5
110°-120°	32.1	2.1
120°-130°	24.8	1.6
130°-140°	17.4	1.1
140°-150°	10.5	0.7
150°-160°	5.0	0.3
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	342.1	22.0
0°-40°	562.2	36.2
0°-60°	1012.4	65.1
0°-90°	1381.1	88.8
90°-120°	114.3	7.3
90°-150°	166.9	10.7
90°-180°	174.0	11.2
0°-180°	1554.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	439	438	433	437	436	42
15°	420	422	421	426	426	118
25°	384	388	393	401	401	177
35°	334	342	352	362	365	209
45°	275	287	304	317	321	212
55°	209	226	247	262	268	187
65°	141	160	185	202	207	140
75°	74	94	121	140	146	78
85°	16	39	66	84	90	19
90°	0	22	46	63	69	1
95°	0	21	44	60	67	0
105°	0	17	41	57	62	1
115°	1	15	35	50	57	1
125°	1	13	30	43	49	1
135°	1	10	24	35	40	1
145°	1	7	17	27	30	1
155°	1	4	11	17	20	0
165°	1	3	5	8	10	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	436.8	436.8	436.8	436.8	436.8
2.5°	439.5	438.6	434.1	437.7	435.9
5°	438.6	437.7	433.2	436.8	435.9
7.5°	435.0	435.0	432.3	435.9	435.0
10°	431.4	431.4	428.7	433.2	432.3
12.5°	426.0	426.9	425.1	430.5	429.6
15°	419.7	421.5	420.6	426.0	426.0
17.5°	412.5	414.3	414.3	420.6	420.6
20°	403.5	406.2	408.0	415.2	415.2
22.5°	394.5	398.1	400.8	407.1	409.8
25°	383.7	388.2	392.7	400.8	400.8
27.5°	372.9	378.3	383.7	391.8	392.7
30°	360.3	366.6	373.8	381.9	383.7
32.5°	347.6	355.7	363.0	372.9	375.6
35°	334.1	342.2	352.1	362.1	364.8
37.5°	318.8	328.7	341.3	352.1	354.8
40°	305.3	316.1	328.7	341.3	344.0
42.5°	290.0	301.7	317.0	328.7	333.2
45°	274.7	287.3	303.5	317.0	320.6
47.5°	258.5	272.9	290.9	303.5	308.0
50°	242.3	257.6	276.5	290.9	294.5
52.5°	226.1	242.3	262.1	276.5	281.0
55°	208.9	226.1	246.8	262.1	267.5
57.5°	192.7	209.8	231.5	247.7	253.1
60°	174.7	194.5	216.2	232.4	238.7
62.5°	159.4	177.4	200.8	217.1	222.5
65°	141.4	160.3	184.6	201.7	207.1
67.5°	124.3	144.1	168.4	186.4	191.8
70°	107.2	127.0	153.1	170.2	176.5
72.5°	90.1	110.8	136.0	154.9	161.2
75°	73.9	93.7	120.7	139.6	145.9
77.5°	56.7	78.4	105.4	124.3	131.5
80°	41.4	63.9	91.0	109.9	117.1
82.5°	27.9	50.4	77.5	96.4	103.6
85°	16.2	38.7	65.7	83.8	90.1
87.5°	8.1	29.7	54.9	73.0	79.3
90°	0.0	21.6	45.9	63.0	69.3
92.5°	0.0	20.7	45.0	61.2	67.5
95°	0.0	20.7	44.1	60.3	66.6
97.5°	0.0	19.8	43.2	60.3	65.7
100°	0.0	18.9	43.2	59.4	64.8
102.5°	0.0	18.0	42.3	58.5	63.9
105°	0.0	17.1	41.4	56.7	62.1
107.5°	0.9	17.1	39.6	55.8	61.2
110°	0.9	16.2	37.8	54.9	60.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	15.3	36.0	53.1	58.5
115°	0.9	15.3	35.1	50.4	56.7
117.5°	0.9	14.4	33.3	48.6	54.9
120°	0.9	14.4	32.4	46.8	52.2
122.5°	0.9	13.5	30.6	45.0	50.4
125°	0.9	12.6	29.7	43.2	48.6
127.5°	0.9	11.7	28.8	41.4	46.8
130°	0.9	10.8	27.0	39.6	44.1
132.5°	0.9	10.8	26.1	36.9	42.3
135°	0.9	9.9	24.3	35.1	39.6
137.5°	0.9	9.0	22.5	33.3	37.8
140°	0.9	8.1	20.7	31.5	35.1
142.5°	0.9	8.1	18.9	28.8	32.4
145°	0.9	7.2	17.1	27.0	29.7
147.5°	0.9	6.3	15.3	24.3	27.0
150°	0.9	6.3	13.5	21.6	24.3
152.5°	0.9	5.4	11.7	19.8	22.5
155°	0.9	4.5	10.8	17.1	19.8
157.5°	0.9	4.5	9.0	14.4	17.1
160°	0.9	3.6	8.1	11.7	14.4
162.5°	0.9	3.6	7.2	9.9	12.6
165°	0.9	2.7	5.4	8.1	9.9
167.5°	0.9	2.7	4.5	6.3	8.1
170°	0.9	1.8	3.6	4.5	6.3
172.5°	0.9	1.8	2.7	2.7	2.7
175°	0.9	0.9	1.8	1.8	0.9
177.5°	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)