

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: P566114

Luminaire Tested: **4SNX-20SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566114
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-LW-UNV-L930-CD
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

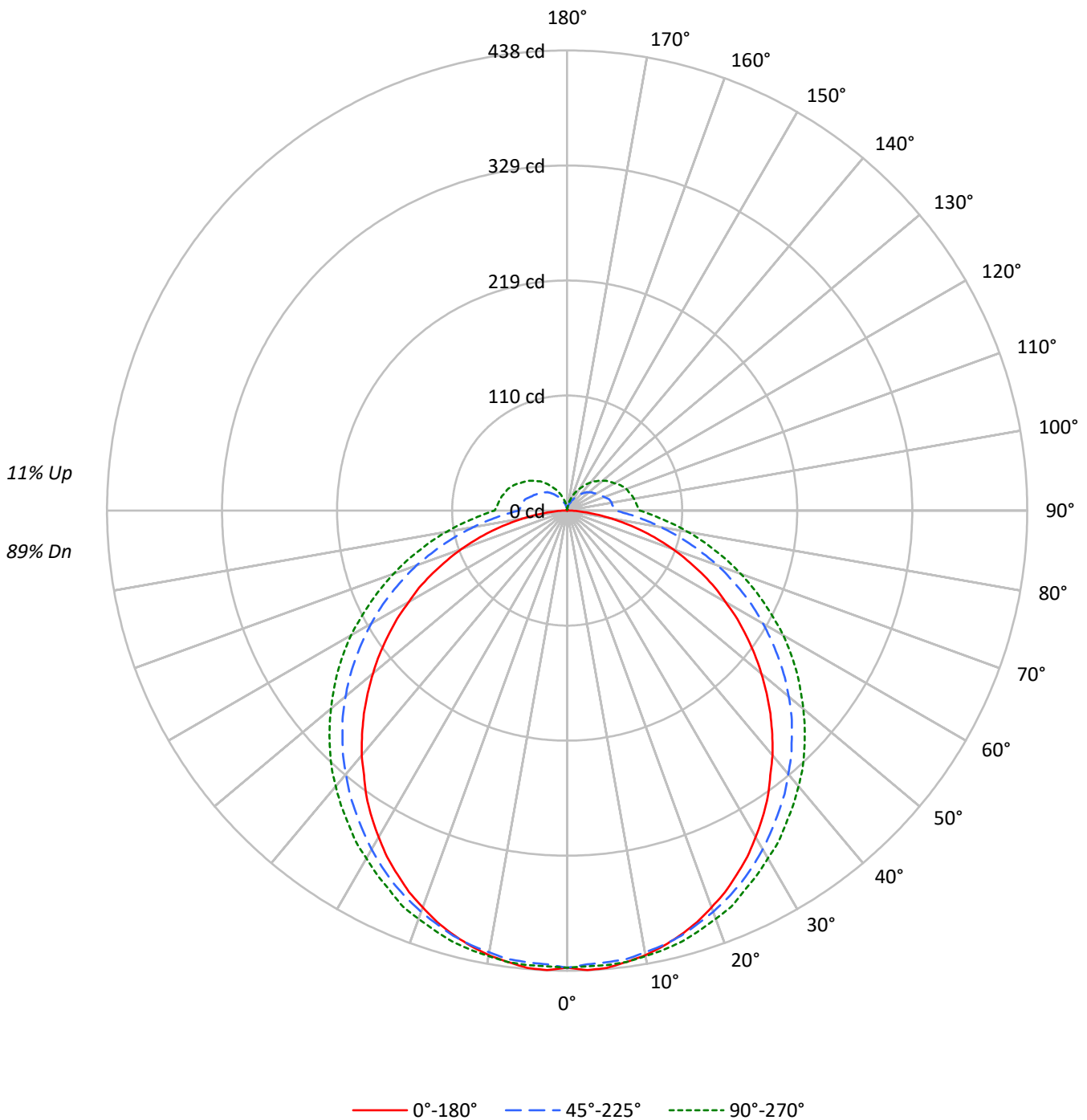
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1549.0 lumens
Efficiency: N/A
Efficacy: 128.0 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: 0.17')
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	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°	4683	4683	4683
5°	4704	4467	4433
10°	4662	4288	4211
15°	4608	4117	4013
20°	4535	3937	3813
25°	4453	3766	3617
30°	4356	3589	3430
35°	4249	3413	3255
40°	4129	3240	3088
45°	3998	3066	2917
50°	3850	2888	2738
55°	3686	2689	2562
60°	3494	2482	2375
65°	3294	2258	2163
70°	3016	2020	1954
75°	2649	1742	1732
80°	2071	1462	1512
85°	1347	1203	1285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	2.7
10°-20°	118.8	7.7
20°-30°	180.6	11.7
30°-40°	219.3	14.2
40°-50°	231.7	15.0
50°-60°	216.8	14.0
60°-70°	177.9	11.5
70°-80°	122.4	7.9
80°-90°	67.0	4.3
90°-100°	43.1	2.8
100°-110°	38.7	2.5
110°-120°	32.1	2.1
120°-130°	24.7	1.6
130°-140°	17.3	1.1
140°-150°	10.4	0.7
150°-160°	5.0	0.3
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	340.7	22.0
0°-40°	560.0	36.2
0°-60°	1008.5	65.1
0°-90°	1375.8	88.8
90°-120°	113.9	7.4
90°-150°	166.4	10.7
90°-180°	173.0	11.2
0°-180°	1549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	435	435	435	435	435	
5°	437	436	432	435	434	41
15°	418	420	419	424	424	118
25°	382	387	391	399	399	176
35°	333	341	351	361	363	208
45°	274	286	302	316	319	211
55°	208	225	246	261	266	186
65°	141	160	184	201	206	140
75°	74	93	120	139	145	77
85°	16	39	66	83	90	19
90°	0	22	46	63	69	1
95°	0	21	44	60	66	0
105°	0	17	41	56	62	1
115°	1	15	35	50	56	1
125°	1	13	30	43	48	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°	435.1	435.1	435.1	435.1	435.1
2.5°	437.8	436.9	432.4	436.0	434.2
5°	436.9	436.0	431.5	435.1	434.2
7.5°	433.3	433.3	430.6	434.2	433.3
10°	429.7	429.7	427.0	431.5	430.6
12.5°	424.4	425.2	423.5	428.8	427.9
15°	418.1	419.9	419.0	424.4	424.4
17.5°	410.9	412.7	412.7	419.0	419.0
20°	401.9	404.6	406.4	413.6	413.6
22.5°	393.0	396.5	399.2	405.5	408.2
25°	382.2	386.7	391.2	399.2	399.2
27.5°	371.4	376.8	382.2	390.3	391.2
30°	358.9	365.1	372.3	380.4	382.2
32.5°	346.3	354.4	361.6	371.4	374.1
35°	332.8	340.9	350.8	360.7	363.3
37.5°	317.6	327.5	340.0	350.8	353.5
40°	304.1	314.9	327.5	340.0	342.7
42.5°	288.9	300.5	315.8	327.5	331.9
45°	273.6	286.2	302.3	315.8	319.4
47.5°	257.5	271.8	289.8	302.3	306.8
50°	241.3	256.6	275.4	289.8	293.4
52.5°	225.2	241.3	261.1	275.4	279.9
55°	208.1	225.2	245.8	261.1	266.5
57.5°	192.0	209.0	230.6	246.7	252.1
60°	174.0	193.8	215.3	231.5	237.7
62.5°	158.8	176.7	200.1	216.2	221.6
65°	140.9	159.7	183.9	201.0	206.3
67.5°	123.8	143.5	167.8	185.7	191.1
70°	106.8	126.5	152.5	169.6	175.8
72.5°	89.7	110.3	135.5	154.3	160.6
75°	73.6	93.3	120.2	139.1	145.3
77.5°	56.5	78.1	105.0	123.8	131.0
80°	41.3	63.7	90.6	109.5	116.6
82.5°	27.8	50.2	77.2	96.0	103.2
85°	16.1	38.6	65.5	83.4	89.7
87.5°	8.1	29.6	54.7	72.7	78.9
90°	0.0	21.5	45.8	62.8	69.1
92.5°	0.0	20.6	44.9	61.0	67.3
95°	0.0	20.6	44.0	60.1	66.4
97.5°	0.0	19.7	43.1	60.1	65.5
100°	0.0	18.8	43.1	59.2	64.6
102.5°	0.0	17.9	42.2	58.3	63.7
105°	0.0	17.0	41.3	56.5	61.9
107.5°	0.9	17.0	39.5	55.6	61.0
110°	0.9	16.1	37.7	54.7	60.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	15.3	35.9	52.9	58.3
115°	0.9	15.3	35.0	50.2	56.5
117.5°	0.9	14.4	33.2	48.4	54.7
120°	0.9	14.4	32.3	46.7	52.0
122.5°	0.9	13.5	30.5	44.9	50.2
125°	0.9	12.6	29.6	43.1	48.4
127.5°	0.9	11.7	28.7	41.3	46.7
130°	0.9	10.8	26.9	39.5	44.0
132.5°	0.9	10.8	26.0	36.8	42.2
135°	0.9	9.9	24.2	35.0	39.5
137.5°	0.9	9.0	22.4	33.2	37.7
140°	0.9	8.1	20.6	31.4	35.0
142.5°	0.9	8.1	18.8	28.7	32.3
145°	0.9	7.2	17.0	26.9	29.6
147.5°	0.9	6.3	15.3	24.2	26.9
150°	0.9	6.3	13.5	21.5	24.2
152.5°	0.9	5.4	11.7	19.7	22.4
155°	0.9	4.5	10.8	17.0	19.7
157.5°	0.9	4.5	9.0	14.4	17.0
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)