

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: P566304

Luminaire Tested: **4SNX-33SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

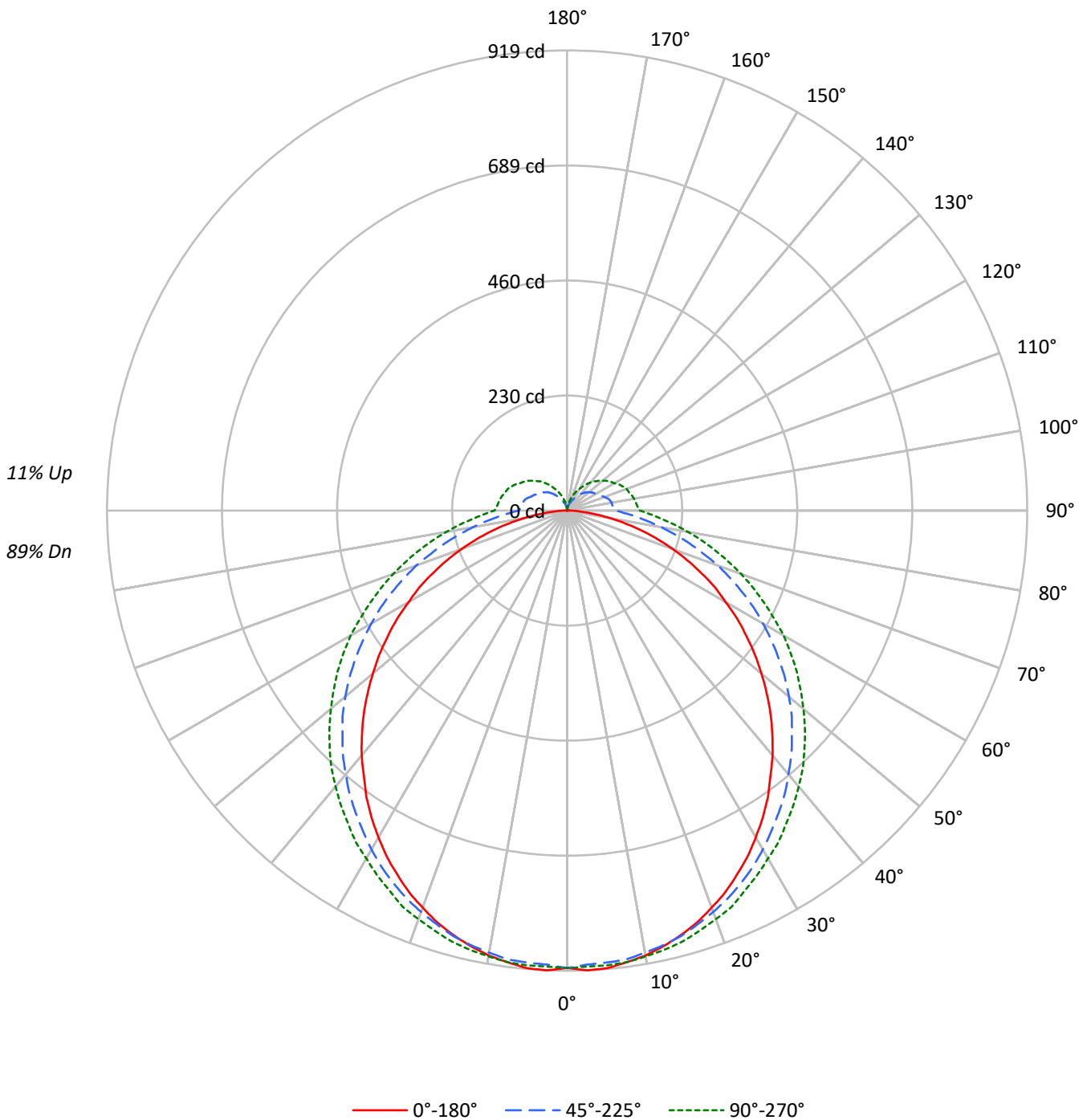
Test Method: LM-79-08  
Report Number: P566304  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-33SL-LW-UNV-L840-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3252.1 lumens  
Efficiency: N/A  
Efficacy: 154.1 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): 21.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	9833	9833	9833
5°	9875	9378	9307
10°	9789	9004	8842
15°	9673	8642	8423
20°	9521	8266	8004
25°	9348	7906	7594
30°	9144	7535	7201
35°	8922	7164	6833
40°	8669	6802	6483
45°	8395	6437	6124
50°	8084	6063	5747
55°	7740	5646	5378
60°	7337	5210	4987
65°	6914	4741	4541
70°	6328	4241	4103
75°	5557	3658	3638
80°	4342	3070	3175
85°	2836	2525	2698



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.8	2.7
10°-20°	249.4	7.7
20°-30°	379.2	11.7
30°-40°	460.3	14.2
40°-50°	486.4	15.0
50°-60°	455.2	14.0
60°-70°	373.5	11.5
70°-80°	256.9	7.9
80°-90°	140.7	4.3
90°-100°	90.6	2.8
100°-110°	81.3	2.5
110°-120°	67.3	2.1
120°-130°	51.8	1.6
130°-140°	36.4	1.1
140°-150°	21.9	0.7
150°-160°	10.5	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	715.4	22.0
0°-40°	1175.7	36.2
0°-60°	2117.3	65.1
0°-90°	2888.4	88.8
90°-120°	239.2	7.4
90°-150°	349.3	10.7
90°-180°	364.0	11.2
0°-180°	3252.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	917	915	906	914	912	87
15°	878	882	880	891	891	247
25°	802	812	821	838	838	370
35°	699	716	736	757	763	437
45°	574	601	635	663	670	443
55°	437	473	516	548	559	391
65°	296	335	386	422	433	293
75°	154	196	252	292	305	163
85°	34	81	138	175	188	39
90°	0	45	96	132	145	2
95°	0	43	92	126	139	0
105°	0	36	87	119	130	1
115°	2	32	74	106	119	2
125°	2	26	62	90	102	2
135°	2	21	51	74	83	1
145°	2	15	36	56	62	1
155°	2	9	23	36	41	1
165°	2	6	11	17	21	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	913.5	913.5	913.5	913.5	913.5
2.5°	919.1	917.3	907.8	915.4	911.6
5°	917.3	915.4	906.0	913.5	911.6
7.5°	909.7	909.7	904.1	911.6	909.7
10°	902.2	902.2	896.5	906.0	904.1
12.5°	890.9	892.8	889.0	900.3	898.4
15°	877.7	881.5	879.6	890.9	890.9
17.5°	862.6	866.4	866.4	879.6	879.6
20°	843.8	849.5	853.2	868.3	868.3
22.5°	825.0	832.5	838.2	851.3	857.0
25°	802.4	811.8	821.2	838.2	838.2
27.5°	779.8	791.1	802.4	819.3	821.2
30°	753.4	766.6	781.6	798.6	802.4
32.5°	727.0	744.0	759.0	779.8	785.4
35°	698.8	715.7	736.4	757.2	762.8
37.5°	666.8	687.5	713.8	736.4	742.1
40°	638.5	661.1	687.5	713.8	719.5
42.5°	606.5	631.0	663.0	687.5	696.9
45°	574.5	600.8	634.7	663.0	670.5
47.5°	540.6	570.7	608.4	634.7	644.2
50°	506.7	538.7	578.2	608.4	615.9
52.5°	472.8	506.7	548.1	578.2	587.7
55°	437.0	472.8	516.1	548.1	559.4
57.5°	403.1	438.9	484.1	518.0	529.3
60°	365.4	406.8	452.0	485.9	499.1
62.5°	333.4	371.0	420.0	453.9	465.2
65°	295.7	335.3	386.1	421.9	433.2
67.5°	259.9	301.4	352.2	389.9	401.2
70°	224.1	265.6	320.2	356.0	369.2
72.5°	188.3	231.7	284.4	324.0	337.1
75°	154.4	195.9	252.4	291.9	305.1
77.5°	118.7	163.9	220.4	259.9	275.0
80°	86.6	133.7	190.2	229.8	244.9
82.5°	58.4	105.5	162.0	201.5	216.6
85°	33.9	81.0	137.5	175.2	188.3
87.5°	17.0	62.2	114.9	152.6	165.7
90°	0.0	45.2	96.1	131.8	145.0
92.5°	0.0	43.3	94.2	128.1	141.3
95°	0.0	43.3	92.3	126.2	139.4
97.5°	0.0	41.4	90.4	126.2	137.5
100°	0.0	39.6	90.4	124.3	135.6
102.5°	0.0	37.7	88.5	122.4	133.7
105°	0.0	35.8	86.6	118.7	130.0
107.5°	1.9	35.8	82.9	116.8	128.1
110°	1.9	33.9	79.1	114.9	126.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	32.0	75.3	111.1	122.4
115°	1.9	32.0	73.5	105.5	118.7
117.5°	1.9	30.1	69.7	101.7	114.9
120°	1.9	30.1	67.8	97.9	109.2
122.5°	1.9	28.3	64.0	94.2	105.5
125°	1.9	26.4	62.2	90.4	101.7
127.5°	1.9	24.5	60.3	86.6	97.9
130°	1.9	22.6	56.5	82.9	92.3
132.5°	1.9	22.6	54.6	77.2	88.5
135°	1.9	20.7	50.9	73.5	82.9
137.5°	1.9	18.8	47.1	69.7	79.1
140°	1.9	17.0	43.3	65.9	73.5
142.5°	1.9	17.0	39.6	60.3	67.8
145°	1.9	15.1	35.8	56.5	62.2
147.5°	1.9	13.2	32.0	50.9	56.5
150°	1.9	13.2	28.3	45.2	50.9
152.5°	1.9	11.3	24.5	41.4	47.1
155°	1.9	9.4	22.6	35.8	41.4
157.5°	1.9	9.4	18.8	30.1	35.8
160°	1.9	7.5	17.0	24.5	30.1
162.5°	1.9	7.5	15.1	20.7	26.4
165°	1.9	5.7	11.3	17.0	20.7
167.5°	1.9	5.7	9.4	13.2	17.0
170°	1.9	3.8	7.5	9.4	13.2
172.5°	1.9	3.8	5.7	5.7	5.7
175°	1.9	1.9	3.8	3.8	1.9
177.5°	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)