

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: P566311

Luminaire Tested: **4SNX-33SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566311
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-SLW-UNV-L835-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

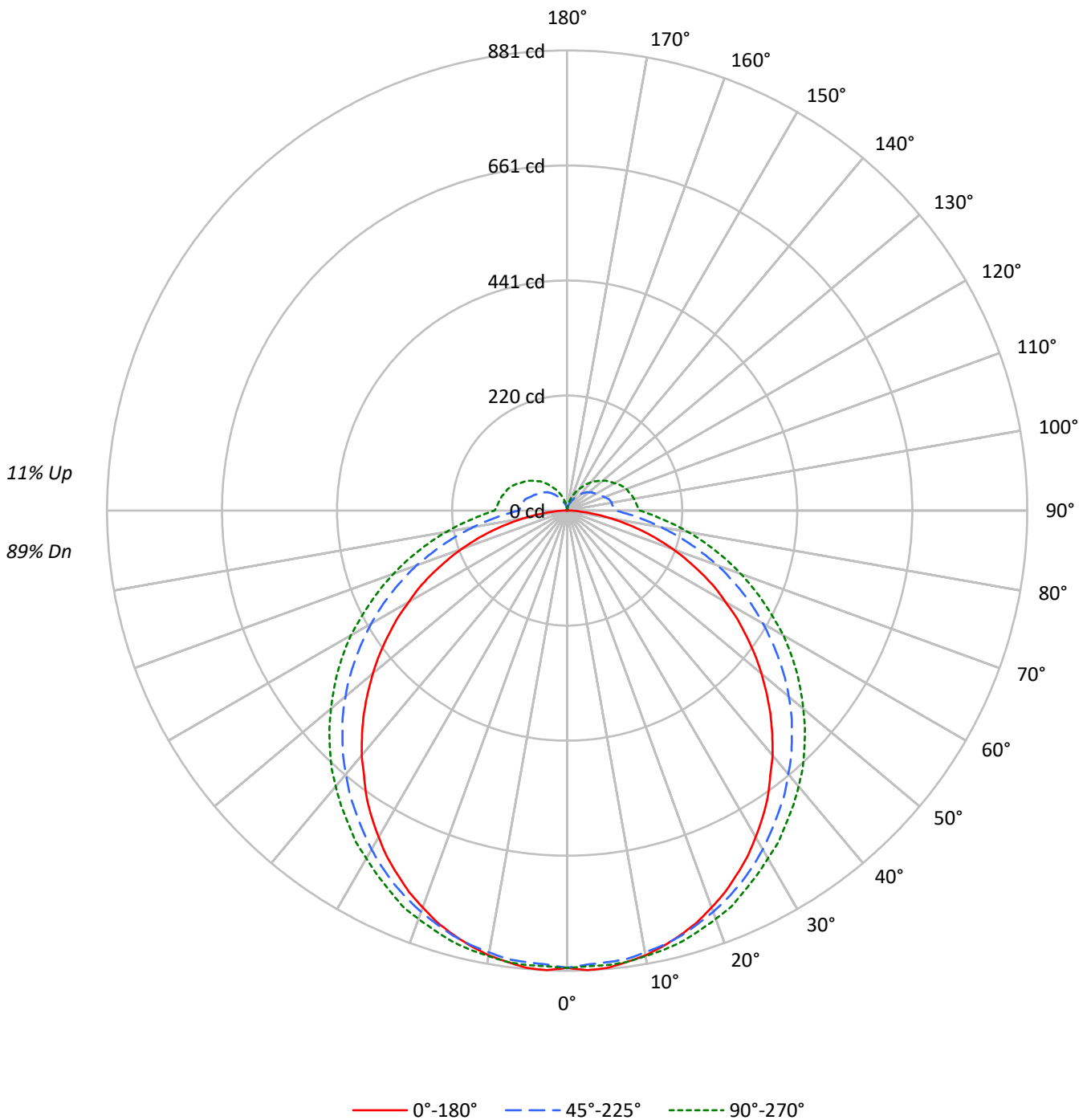
Lumens per Lamp: N/A
Luminaire Lumens: 3116.0 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 21.1
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°	9422	9422	9422
5°	9479	9180	9172
10°	9415	8993	8945
15°	9320	8803	8735
20°	9192	8585	8503
25°	9043	8372	8259
30°	8866	8138	8019
35°	8673	7893	7793
40°	8449	7654	7576
45°	8208	7410	7343
50°	7934	7153	7080
55°	7631	6842	6823
60°	7275	6511	6537
65°	6908	6140	6176
70°	6395	5729	5821
75°	5713	5208	5431
80°	4603	4680	5044
85°	3244	4224	4649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	2.7
10°-20°	239.0	7.7
20°-30°	363.4	11.7
30°-40°	441.1	14.2
40°-50°	466.1	15.0
50°-60°	436.1	14.0
60°-70°	357.9	11.5
70°-80°	246.1	7.9
80°-90°	134.8	4.3
90°-100°	86.8	2.8
100°-110°	77.9	2.5
110°-120°	64.5	2.1
120°-130°	49.7	1.6
130°-140°	34.9	1.1
140°-150°	21.0	0.7
150°-160°	10.1	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
0°-30°	685.5	22.0
0°-40°	1126.5	36.2
0°-60°	2028.8	65.1
0°-90°	2767.6	88.8
90°-120°	229.1	7.4
90°-150°	334.7	10.7
90°-180°	348.0	11.2
0°-180°	3116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	875	875	875	875	875	
5°	879	877	868	875	874	83
15°	841	845	843	854	854	237
25°	769	778	787	803	803	354
35°	670	686	706	726	731	418
45°	550	576	608	635	642	424
55°	419	453	494	525	536	375
65°	283	321	370	404	415	281
75°	148	188	242	280	292	156
85°	32	78	132	168	180	38
90°	0	43	92	126	139	2
95°	0	42	88	121	134	0
105°	0	34	83	114	124	1
115°	2	31	70	101	114	2
125°	2	25	60	87	98	2
135°	2	20	49	70	79	1
145°	2	14	34	54	60	1
155°	2	9	22	34	40	1
165°	2	5	11	16	20	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°	875.3	875.3	875.3	875.3	875.3
2.5°	880.7	878.9	869.9	877.1	873.5
5°	878.9	877.1	868.1	875.3	873.5
7.5°	871.7	871.7	866.3	873.5	871.7
10°	864.5	864.5	859.0	868.1	866.3
12.5°	853.6	855.4	851.8	862.7	860.9
15°	841.0	844.6	842.8	853.6	853.6
17.5°	826.6	830.2	830.2	842.8	842.8
20°	808.5	813.9	817.5	832.0	832.0
22.5°	790.5	797.7	803.1	815.7	821.1
25°	768.8	777.8	786.9	803.1	803.1
27.5°	747.2	758.0	768.8	785.1	786.9
30°	721.9	734.5	749.0	765.2	768.8
32.5°	696.6	712.9	727.3	747.2	752.6
35°	669.6	685.8	705.6	725.5	730.9
37.5°	638.9	658.7	684.0	705.6	711.1
40°	611.8	633.5	658.7	684.0	689.4
42.5°	581.1	604.6	635.3	658.7	667.7
45°	550.4	575.7	608.2	635.3	642.5
47.5°	518.0	546.8	582.9	608.2	617.2
50°	485.5	516.2	554.1	582.9	590.1
52.5°	453.0	485.5	525.2	554.1	563.1
55°	418.7	453.0	494.5	525.2	536.0
57.5°	386.2	420.5	463.8	496.3	507.1
60°	350.1	389.8	433.1	465.6	478.3
62.5°	319.4	355.5	402.5	434.9	445.8
65°	283.3	321.2	370.0	404.3	415.1
67.5°	249.1	288.8	337.5	373.6	384.4
70°	214.8	254.5	306.8	341.1	353.7
72.5°	180.5	222.0	272.5	310.4	323.0
75°	148.0	187.7	241.8	279.7	292.4
77.5°	113.7	157.0	211.2	249.1	263.5
80°	83.0	128.1	182.3	220.2	234.6
82.5°	55.9	101.1	155.2	193.1	207.5
85°	32.5	77.6	131.7	167.8	180.5
87.5°	16.2	59.6	110.1	146.2	158.8
90°	0.0	43.3	92.0	126.3	139.0
92.5°	0.0	41.5	90.2	122.7	135.4
95°	0.0	41.5	88.4	120.9	133.5
97.5°	0.0	39.7	86.6	120.9	131.7
100°	0.0	37.9	86.6	119.1	129.9
102.5°	0.0	36.1	84.8	117.3	128.1
105°	0.0	34.3	83.0	113.7	124.5
107.5°	1.8	34.3	79.4	111.9	122.7
110°	1.8	32.5	75.8	110.1	120.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	30.7	72.2	106.5	117.3
115°	1.8	30.7	70.4	101.1	113.7
117.5°	1.8	28.9	66.8	97.5	110.1
120°	1.8	28.9	65.0	93.8	104.7
122.5°	1.8	27.1	61.4	90.2	101.1
125°	1.8	25.3	59.6	86.6	97.5
127.5°	1.8	23.5	57.8	83.0	93.8
130°	1.8	21.7	54.1	79.4	88.4
132.5°	1.8	21.7	52.3	74.0	84.8
135°	1.8	19.9	48.7	70.4	79.4
137.5°	1.8	18.0	45.1	66.8	75.8
140°	1.8	16.2	41.5	63.2	70.4
142.5°	1.8	16.2	37.9	57.8	65.0
145°	1.8	14.4	34.3	54.1	59.6
147.5°	1.8	12.6	30.7	48.7	54.1
150°	1.8	12.6	27.1	43.3	48.7
152.5°	1.8	10.8	23.5	39.7	45.1
155°	1.8	9.0	21.7	34.3	39.7
157.5°	1.8	9.0	18.0	28.9	34.3
160°	1.8	7.2	16.2	23.5	28.9
162.5°	1.8	7.2	14.4	19.9	25.3
165°	1.8	5.4	10.8	16.2	19.9
167.5°	1.8	5.4	9.0	12.6	16.2
170°	1.8	3.6	7.2	9.0	12.6
172.5°	1.8	3.6	5.4	5.4	5.4
175°	1.8	1.8	3.6	3.6	1.8
177.5°	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)