

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: P566312

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566312
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-L840-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

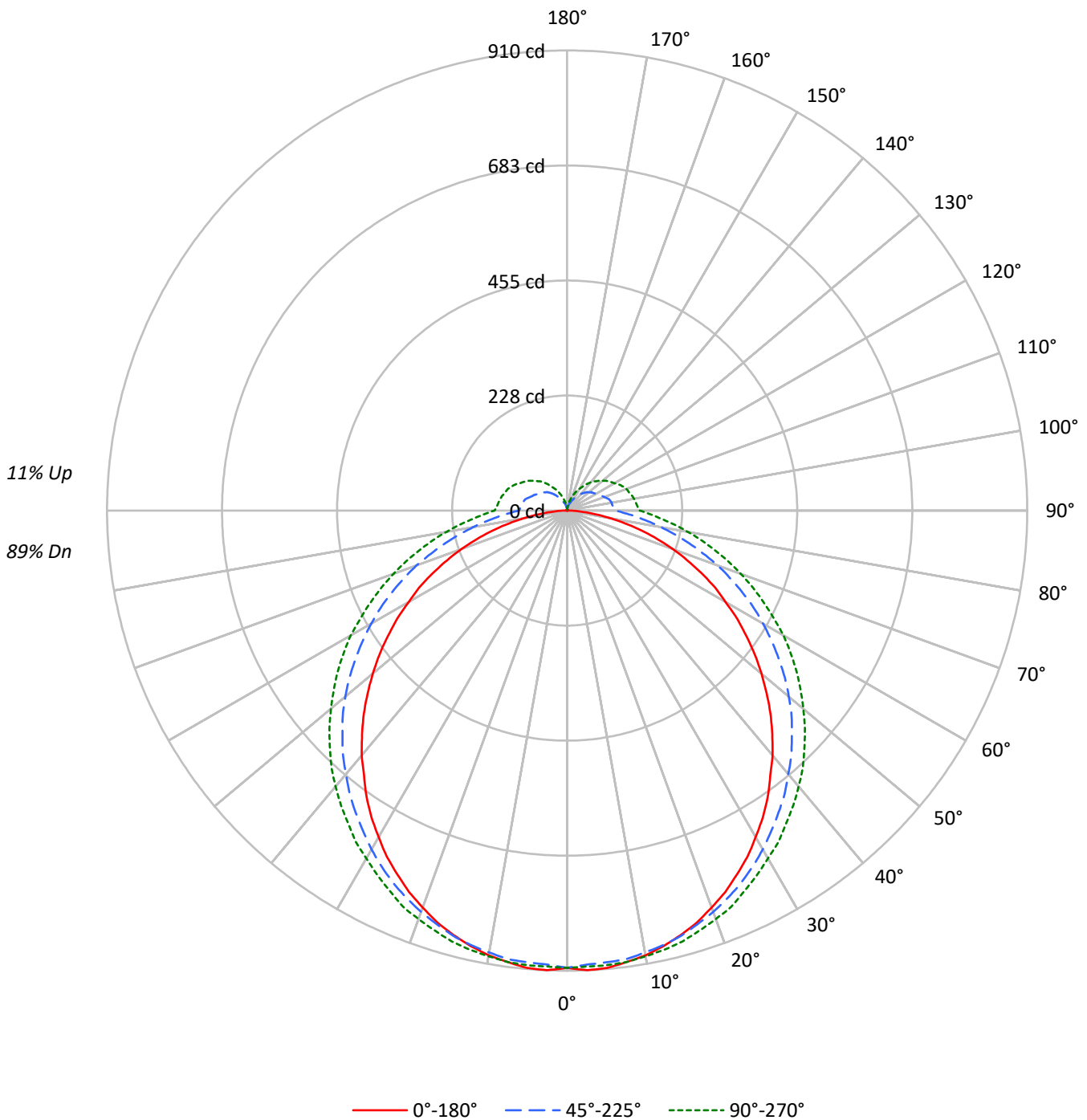
Lumens per Lamp: N/A
Luminaire Lumens: 3219.0 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 21.1
Input Voltage (V): NR
Input Current (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	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°	9733	9733	9733
5°	9793	9483	9475
10°	9725	9291	9240
15°	9628	9095	9025
20°	9495	8869	8784
25°	9342	8649	8532
30°	9160	8406	8283
35°	8959	8155	8051
40°	8728	7907	7827
45°	8480	7655	7585
50°	8195	7389	7315
55°	7883	7068	7049
60°	7516	6727	6753
65°	7137	6342	6379
70°	6607	5918	6014
75°	5902	5380	5609
80°	4759	4834	5212
85°	3354	4365	4801



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	2.7
10°-20°	246.9	7.7
20°-30°	375.4	11.7
30°-40°	455.7	14.2
40°-50°	481.5	15.0
50°-60°	450.6	14.0
60°-70°	369.7	11.5
70°-80°	254.3	7.9
80°-90°	139.3	4.3
90°-100°	89.7	2.8
100°-110°	80.5	2.5
110°-120°	66.6	2.1
120°-130°	51.3	1.6
130°-140°	36.0	1.1
140°-150°	21.7	0.7
150°-160°	10.4	0.3
160°-170°	3.4	0.1
170°-180°	0.4	0.0
0°-30°	708.1	22.0
0°-40°	1163.8	36.2
0°-60°	2095.8	65.1
0°-90°	2859.0	88.8
90°-120°	236.7	7.4
90°-150°	345.8	10.7
90°-180°	360.0	11.2
0°-180°	3219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	908	906	897	904	902	86
15°	869	872	871	882	882	245
25°	794	804	813	830	830	366
35°	692	708	729	750	755	432
45°	569	595	628	656	664	438
55°	432	468	511	542	554	387
65°	293	332	382	418	429	290
75°	153	194	250	289	302	161
85°	34	80	136	173	186	39
90°	0	45	95	130	144	2
95°	0	43	91	125	138	0
105°	0	35	86	118	129	1
115°	2	32	73	104	118	2
125°	2	26	62	90	101	2
135°	2	20	50	73	82	1
145°	2	15	35	56	62	1
155°	2	9	22	35	41	1
165°	2	6	11	17	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°	904.2	904.2	904.2	904.2	904.2
2.5°	909.8	908.0	898.6	906.1	902.4
5°	908.0	906.1	896.8	904.2	902.4
7.5°	900.5	900.5	894.9	902.4	900.5
10°	893.0	893.0	887.4	896.8	894.9
12.5°	881.9	883.7	880.0	891.2	889.3
15°	868.8	872.5	870.7	881.9	881.9
17.5°	853.9	857.6	857.6	870.7	870.7
20°	835.2	840.8	844.6	859.5	859.5
22.5°	816.6	824.1	829.6	842.7	848.3
25°	794.2	803.5	812.9	829.6	829.6
27.5°	771.9	783.0	794.2	811.0	812.9
30°	745.8	758.8	773.7	790.5	794.2
32.5°	719.7	736.4	751.3	771.9	777.4
35°	691.7	708.5	729.0	749.5	755.1
37.5°	660.0	680.5	706.6	729.0	734.6
40°	632.0	654.4	680.5	706.6	712.2
42.5°	600.3	624.6	656.3	680.5	689.8
45°	568.6	594.7	628.3	656.3	663.7
47.5°	535.1	564.9	602.2	628.3	637.6
50°	501.5	533.2	572.4	602.2	609.7
52.5°	468.0	501.5	542.5	572.4	581.7
55°	432.5	468.0	510.8	542.5	553.7
57.5°	399.0	434.4	479.1	512.7	523.9
60°	361.7	402.7	447.5	481.0	494.1
62.5°	330.0	367.3	415.8	449.3	460.5
65°	292.7	331.9	382.2	417.6	428.8
67.5°	257.3	298.3	348.6	385.9	397.1
70°	221.9	262.9	316.9	352.4	365.4
72.5°	186.4	229.3	281.5	320.7	333.7
75°	152.9	193.9	249.8	289.0	302.0
77.5°	117.5	162.2	218.1	257.3	272.2
80°	85.8	132.4	188.3	227.5	242.4
82.5°	57.8	104.4	160.3	199.5	214.4
85°	33.6	80.2	136.1	173.4	186.4
87.5°	16.8	61.5	113.7	151.0	164.1
90°	0.0	44.7	95.1	130.5	143.6
92.5°	0.0	42.9	93.2	126.8	139.8
95°	0.0	42.9	91.4	124.9	138.0
97.5°	0.0	41.0	89.5	124.9	136.1
100°	0.0	39.2	89.5	123.0	134.2
102.5°	0.0	37.3	87.6	121.2	132.4
105°	0.0	35.4	85.8	117.5	128.6
107.5°	1.9	35.4	82.0	115.6	126.8
110°	1.9	33.6	78.3	113.7	124.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	31.7	74.6	110.0	121.2
115°	1.9	31.7	72.7	104.4	117.5
117.5°	1.9	29.8	69.0	100.7	113.7
120°	1.9	29.8	67.1	96.9	108.1
122.5°	1.9	28.0	63.4	93.2	104.4
125°	1.9	26.1	61.5	89.5	100.7
127.5°	1.9	24.2	59.7	85.8	96.9
130°	1.9	22.4	55.9	82.0	91.4
132.5°	1.9	22.4	54.1	76.4	87.6
135°	1.9	20.5	50.3	72.7	82.0
137.5°	1.9	18.6	46.6	69.0	78.3
140°	1.9	16.8	42.9	65.3	72.7
142.5°	1.9	16.8	39.2	59.7	67.1
145°	1.9	14.9	35.4	55.9	61.5
147.5°	1.9	13.1	31.7	50.3	55.9
150°	1.9	13.1	28.0	44.7	50.3
152.5°	1.9	11.2	24.2	41.0	46.6
155°	1.9	9.3	22.4	35.4	41.0
157.5°	1.9	9.3	18.6	29.8	35.4
160°	1.9	7.5	16.8	24.2	29.8
162.5°	1.9	7.5	14.9	20.5	26.1
165°	1.9	5.6	11.2	16.8	20.5
167.5°	1.9	5.6	9.3	13.1	16.8
170°	1.9	3.7	7.5	9.3	13.1
172.5°	1.9	3.7	5.6	5.6	5.6
175°	1.9	1.9	3.7	3.7	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)