

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: P566313

Luminaire Tested: **4SNX-33SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566313
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-L850-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

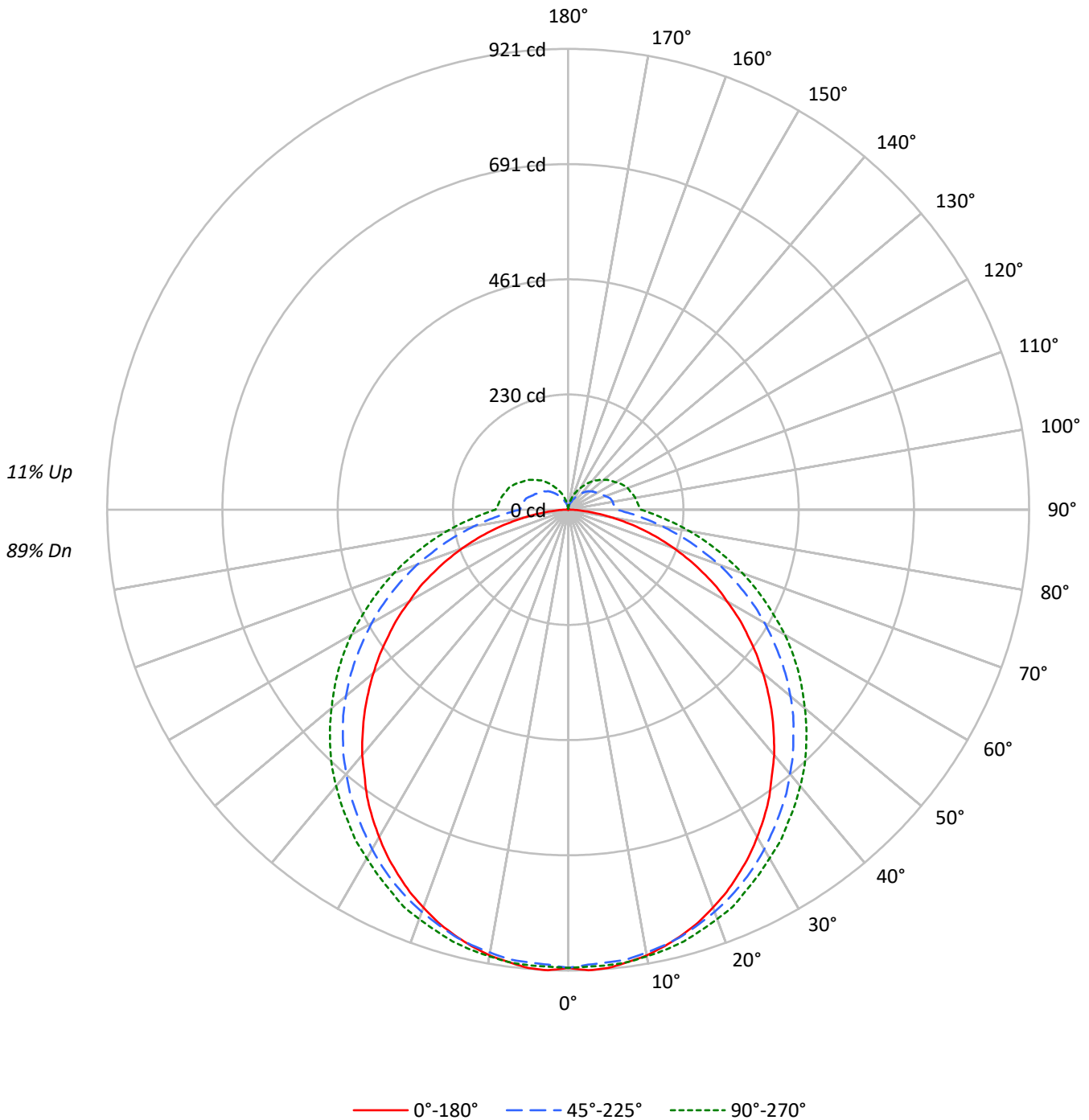
Lumens per Lamp: N/A
Luminaire Lumens: 3260.0 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 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°	9857	9857	9857
5°	9917	9604	9596
10°	9849	9409	9358
15°	9751	9211	9139
20°	9617	8982	8895
25°	9461	8758	8641
30°	9277	8513	8389
35°	9073	8259	8153
40°	8840	8008	7927
45°	8588	7752	7682
50°	8300	7483	7408
55°	7983	7158	7139
60°	7612	6813	6840
65°	7228	6423	6461
70°	6690	5994	6091
75°	5975	5449	5682
80°	4820	4896	5279
85°	3394	4419	4863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	2.7
10°-20°	250.0	7.7
20°-30°	380.1	11.7
30°-40°	461.5	14.2
40°-50°	487.6	15.0
50°-60°	456.3	14.0
60°-70°	374.4	11.5
70°-80°	257.5	7.9
80°-90°	141.0	4.3
90°-100°	90.8	2.8
100°-110°	81.5	2.5
110°-120°	67.5	2.1
120°-130°	51.9	1.6
130°-140°	36.5	1.1
140°-150°	22.0	0.7
150°-160°	10.5	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	717.1	22.0
0°-40°	1178.6	36.2
0°-60°	2122.5	65.1
0°-90°	2895.4	88.8
90°-120°	239.8	7.4
90°-150°	350.2	10.7
90°-180°	365.0	11.2
0°-180°	3260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	920	918	908	916	914	87
15°	880	884	882	893	893	248
25°	804	814	823	840	840	371
35°	700	718	738	759	765	438
45°	576	602	636	665	672	444
55°	438	474	517	549	561	392
65°	296	336	387	423	434	294
75°	155	196	253	293	306	163
85°	34	81	138	176	189	39
90°	0	45	96	132	145	2
95°	0	43	92	126	140	0
105°	0	36	87	119	130	1
115°	2	32	74	106	119	2
125°	2	26	62	91	102	2
135°	2	21	51	74	83	1
145°	2	15	36	57	62	1
155°	2	9	23	36	42	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°	915.7	915.7	915.7	915.7	915.7
2.5°	921.4	919.5	910.1	917.6	913.9
5°	919.5	917.6	908.2	915.7	913.9
7.5°	912.0	912.0	906.3	913.9	912.0
10°	904.4	904.4	898.7	908.2	906.3
12.5°	893.1	895.0	891.2	902.5	900.6
15°	879.9	883.6	881.8	893.1	893.1
17.5°	864.8	868.5	868.5	881.8	881.8
20°	845.9	851.5	855.3	870.4	870.4
22.5°	827.0	834.6	840.2	853.4	859.1
25°	804.3	813.8	823.2	840.2	840.2
27.5°	781.7	793.0	804.3	821.3	823.2
30°	755.3	768.5	783.6	800.6	804.3
32.5°	728.8	745.8	760.9	781.7	787.3
35°	700.5	717.5	738.3	759.0	764.7
37.5°	668.4	689.2	715.6	738.3	743.9
40°	640.1	662.7	689.2	715.6	721.3
42.5°	608.0	632.5	664.6	689.2	698.6
45°	575.9	602.3	636.3	664.6	672.2
47.5°	541.9	572.1	609.9	636.3	645.7
50°	507.9	540.0	579.7	609.9	617.4
52.5°	473.9	507.9	549.4	579.7	589.1
55°	438.0	473.9	517.3	549.4	560.8
57.5°	404.1	439.9	485.2	519.2	530.6
60°	366.3	407.8	453.2	487.1	500.4
62.5°	334.2	372.0	421.1	455.0	466.4
65°	296.4	336.1	387.1	422.9	434.3
67.5°	260.6	302.1	353.1	390.8	402.2
70°	224.7	266.2	321.0	356.9	370.1
72.5°	188.8	232.2	285.1	324.8	338.0
75°	154.8	196.4	253.0	292.7	305.9
77.5°	119.0	164.3	220.9	260.6	275.7
80°	86.9	134.1	190.7	230.4	245.5
82.5°	58.5	105.7	162.4	202.0	217.1
85°	34.0	81.2	137.8	175.6	188.8
87.5°	17.0	62.3	115.2	152.9	166.2
90°	0.0	45.3	96.3	132.2	145.4
92.5°	0.0	43.4	94.4	128.4	141.6
95°	0.0	43.4	92.5	126.5	139.7
97.5°	0.0	41.5	90.6	126.5	137.8
100°	0.0	39.7	90.6	124.6	135.9
102.5°	0.0	37.8	88.7	122.7	134.1
105°	0.0	35.9	86.9	119.0	130.3
107.5°	1.9	35.9	83.1	117.1	128.4
110°	1.9	34.0	79.3	115.2	126.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	32.1	75.5	111.4	122.7
115°	1.9	32.1	73.6	105.7	119.0
117.5°	1.9	30.2	69.9	102.0	115.2
120°	1.9	30.2	68.0	98.2	109.5
122.5°	1.9	28.3	64.2	94.4	105.7
125°	1.9	26.4	62.3	90.6	102.0
127.5°	1.9	24.5	60.4	86.9	98.2
130°	1.9	22.7	56.6	83.1	92.5
132.5°	1.9	22.7	54.8	77.4	88.7
135°	1.9	20.8	51.0	73.6	83.1
137.5°	1.9	18.9	47.2	69.9	79.3
140°	1.9	17.0	43.4	66.1	73.6
142.5°	1.9	17.0	39.7	60.4	68.0
145°	1.9	15.1	35.9	56.6	62.3
147.5°	1.9	13.2	32.1	51.0	56.6
150°	1.9	13.2	28.3	45.3	51.0
152.5°	1.9	11.3	24.5	41.5	47.2
155°	1.9	9.4	22.7	35.9	41.5
157.5°	1.9	9.4	18.9	30.2	35.9
160°	1.9	7.6	17.0	24.5	30.2
162.5°	1.9	7.6	15.1	20.8	26.4
165°	1.9	5.7	11.3	17.0	20.8
167.5°	1.9	5.7	9.4	13.2	17.0
170°	1.9	3.8	7.6	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)