

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: P566303

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566303
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-L835-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

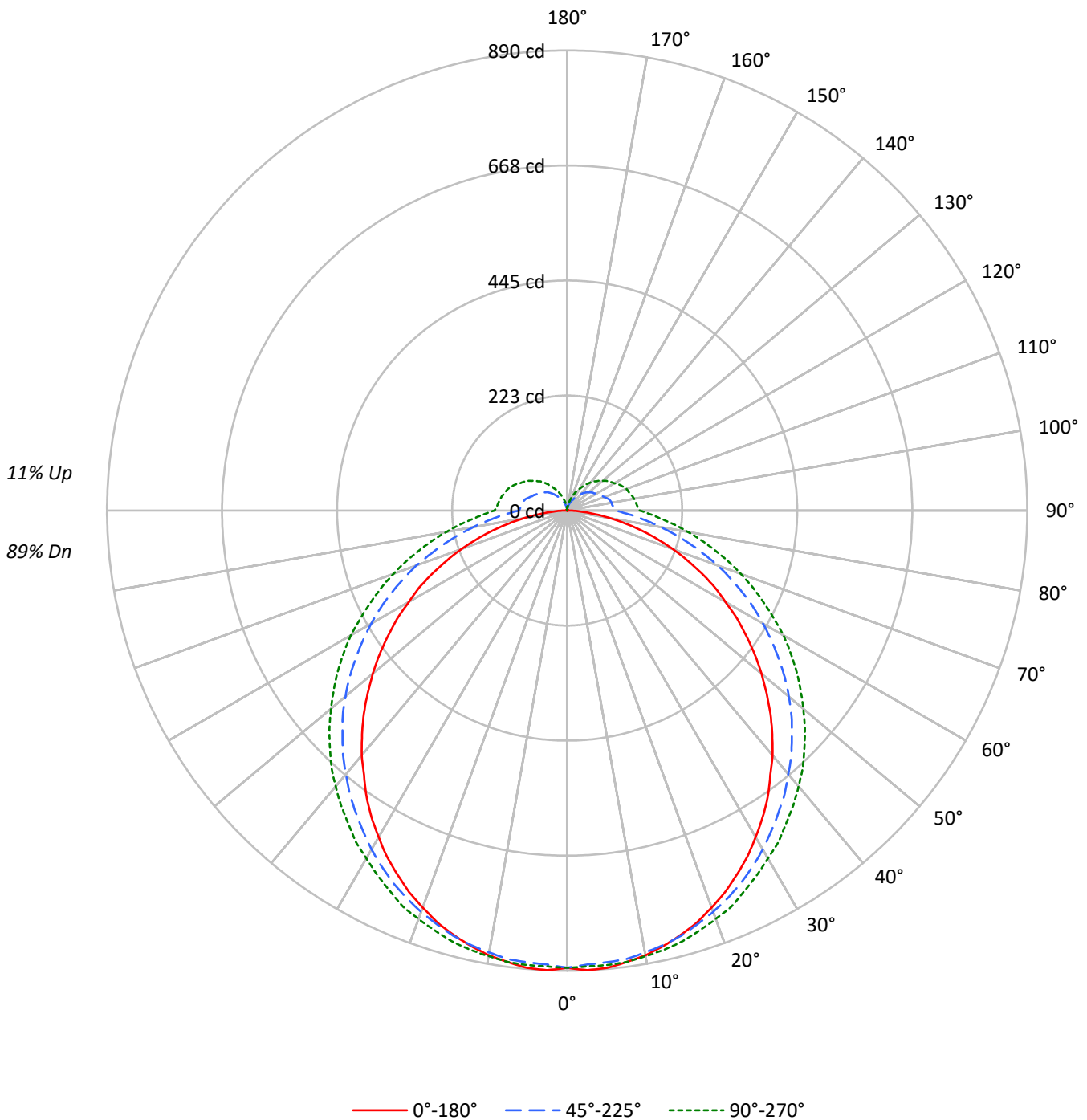
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3148.0 lumens
Efficiency: N/A
Efficacy: 149.2 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 (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°	9519	9519	9519
5°	9559	9078	9010
10°	9476	8716	8560
15°	9363	8366	8154
20°	9216	8002	7748
25°	9049	7653	7351
30°	8852	7295	6971
35°	8636	6935	6615
40°	8392	6584	6276
45°	8127	6231	5928
50°	7825	5869	5563
55°	7492	5466	5206
60°	7102	5044	4828
65°	6694	4590	4395
70°	6128	4106	3972
75°	5381	3541	3522
80°	4207	2971	3073
85°	2744	2444	2612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	2.7
10°-20°	241.4	7.7
20°-30°	367.1	11.7
30°-40°	445.6	14.2
40°-50°	470.9	15.0
50°-60°	440.6	14.0
60°-70°	361.5	11.5
70°-80°	248.7	7.9
80°-90°	136.2	4.3
90°-100°	87.7	2.8
100°-110°	78.7	2.5
110°-120°	65.1	2.1
120°-130°	50.1	1.6
130°-140°	35.2	1.1
140°-150°	21.2	0.7
150°-160°	10.2	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
0°-30°	692.5	22.0
0°-40°	1138.1	36.2
0°-60°	2049.6	65.1
0°-90°	2796.0	88.8
90°-120°	231.5	7.4
90°-150°	338.1	10.7
90°-180°	352.0	11.2
0°-180°	3148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	884	884	884	884	884	
5°	888	886	877	884	882	84
15°	850	853	852	862	862	240
25°	777	786	795	811	811	358
35°	676	693	713	733	738	423
45°	556	582	614	642	649	429
55°	423	458	500	531	542	379
65°	286	324	374	408	419	283
75°	150	190	244	283	295	157
85°	33	78	133	170	182	38
90°	0	44	93	128	140	2
95°	0	42	89	122	135	0
105°	0	35	84	115	126	1
115°	2	31	71	102	115	2
125°	2	26	60	88	98	2
135°	2	20	49	71	80	1
145°	2	15	35	55	60	1
155°	2	9	22	35	40	1
165°	2	6	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°	884.3	884.3	884.3	884.3	884.3
2.5°	889.8	887.9	878.8	886.1	882.5
5°	887.9	886.1	877.0	884.3	882.5
7.5°	880.6	880.6	875.2	882.5	880.6
10°	873.3	873.3	867.9	877.0	875.2
12.5°	862.4	864.2	860.6	871.5	869.7
15°	849.6	853.3	851.5	862.4	862.4
17.5°	835.1	838.7	838.7	851.5	851.5
20°	816.8	822.3	825.9	840.5	840.5
22.5°	798.6	805.9	811.4	824.1	829.6
25°	776.7	785.8	794.9	811.4	811.4
27.5°	754.8	765.8	776.7	793.1	794.9
30°	729.3	742.1	756.7	773.1	776.7
32.5°	703.8	720.2	734.8	754.8	760.3
35°	676.4	692.8	712.9	733.0	738.4
37.5°	645.4	665.5	691.0	712.9	718.4
40°	618.1	640.0	665.5	691.0	696.5
42.5°	587.1	610.8	641.8	665.5	674.6
45°	556.1	581.6	614.4	641.8	649.1
47.5°	523.3	552.4	588.9	614.4	623.6
50°	490.5	521.5	559.7	588.9	596.2
52.5°	457.6	490.5	530.6	559.7	568.9
55°	423.0	457.6	499.6	530.6	541.5
57.5°	390.2	424.8	468.6	501.4	512.3
60°	353.7	393.8	437.6	470.4	483.2
62.5°	322.7	359.2	406.6	439.4	450.3
65°	286.3	324.5	373.8	408.4	419.3
67.5°	251.6	291.7	340.9	377.4	388.4
70°	217.0	257.1	310.0	344.6	357.4
72.5°	182.3	224.3	275.3	313.6	326.4
75°	149.5	189.6	244.3	282.6	295.4
77.5°	114.9	158.6	213.3	251.6	266.2
80°	83.9	129.5	184.1	222.4	237.0
82.5°	56.5	102.1	156.8	195.1	209.7
85°	32.8	78.4	133.1	169.6	182.3
87.5°	16.4	60.2	111.2	147.7	160.4
90°	0.0	43.8	93.0	127.6	140.4
92.5°	0.0	41.9	91.2	124.0	136.7
95°	0.0	41.9	89.3	122.2	134.9
97.5°	0.0	40.1	87.5	122.2	133.1
100°	0.0	38.3	87.5	120.3	131.3
102.5°	0.0	36.5	85.7	118.5	129.5
105°	0.0	34.6	83.9	114.9	125.8
107.5°	1.8	34.6	80.2	113.0	124.0
110°	1.8	32.8	76.6	111.2	122.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	31.0	72.9	107.6	118.5
115°	1.8	31.0	71.1	102.1	114.9
117.5°	1.8	29.2	67.5	98.5	111.2
120°	1.8	29.2	65.6	94.8	105.7
122.5°	1.8	27.3	62.0	91.2	102.1
125°	1.8	25.5	60.2	87.5	98.5
127.5°	1.8	23.7	58.3	83.9	94.8
130°	1.8	21.9	54.7	80.2	89.3
132.5°	1.8	21.9	52.9	74.8	85.7
135°	1.8	20.1	49.2	71.1	80.2
137.5°	1.8	18.2	45.6	67.5	76.6
140°	1.8	16.4	41.9	63.8	71.1
142.5°	1.8	16.4	38.3	58.3	65.6
145°	1.8	14.6	34.6	54.7	60.2
147.5°	1.8	12.8	31.0	49.2	54.7
150°	1.8	12.8	27.3	43.8	49.2
152.5°	1.8	10.9	23.7	40.1	45.6
155°	1.8	9.1	21.9	34.6	40.1
157.5°	1.8	9.1	18.2	29.2	34.6
160°	1.8	7.3	16.4	23.7	29.2
162.5°	1.8	7.3	14.6	20.1	25.5
165°	1.8	5.5	10.9	16.4	20.1
167.5°	1.8	5.5	9.1	12.8	16.4
170°	1.8	3.6	7.3	9.1	12.8
172.5°	1.8	3.6	5.5	5.5	5.5
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)