

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: P566280

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-33SL-FDL-UNV-L840-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

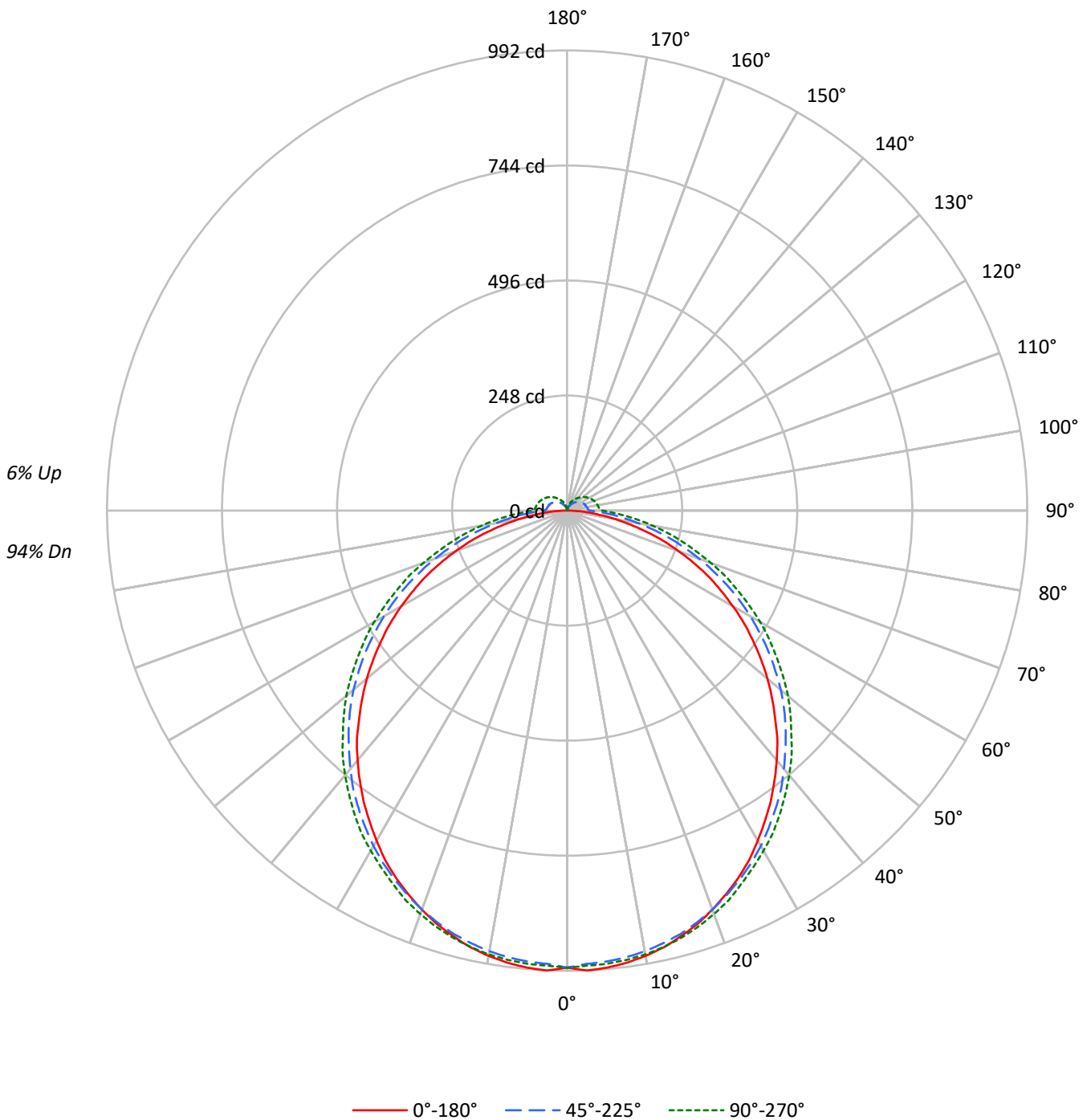
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3131.0 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: 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	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94					94			
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77					77			
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64					64			
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53					53			
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45					45			
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39					39			
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34					34			
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30					30			
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27					27			
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24					24			
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10606	10606	10606
5°	10678	10429	10445
10°	10634	10317	10314
15°	10555	10187	10167
20°	10446	10029	9994
25°	10322	9856	9788
30°	10152	9679	9600
35°	9981	9472	9402
40°	9792	9243	9179
45°	9556	9017	8919
50°	9327	8757	8683
55°	9042	8439	8354
60°	8723	8072	8030
65°	8386	7638	7584
70°	7802	7088	7121
75°	7102	6442	6569
80°	6069	5586	5956
85°	4768	4846	5233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	3.0
10°-20°	268.1	8.6
20°-30°	406.3	13.0
30°-40°	490.5	15.7
40°-50°	512.2	16.4
50°-60°	470.6	15.0
60°-70°	372.1	11.9
70°-80°	235.5	7.5
80°-90°	101.2	3.2
90°-100°	44.6	1.4
100°-110°	39.9	1.3
110°-120°	33.7	1.1
120°-130°	26.3	0.8
130°-140°	18.2	0.6
140°-150°	10.9	0.3
150°-160°	5.3	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	767.9	24.5
0°-40°	1258.4	40.2
0°-60°	2241.2	71.6
0°-90°	2950.1	94.2
90°-120°	118.1	3.8
90°-150°	173.4	5.5
90°-180°	181.0	5.8
0°-180°	3131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	985	985	985	985	985	
5°	989	986	976	984	981	94
15°	950	950	945	955	953	268
25°	873	877	878	890	888	402
35°	765	774	784	796	799	478
45°	634	650	666	679	684	490
55°	489	509	530	547	551	437
65°	337	355	380	398	404	331
75°	177	198	227	247	256	188
85°	43	66	95	116	123	48
90°	3	24	49	68	75	4
95°	1	20	44	62	69	0
105°	1	19	42	58	64	1
115°	1	16	38	53	58	1
125°	1	14	32	46	50	1
135°	1	11	26	36	40	1
145°	1	8	18	27	30	1
155°	1	6	12	17	20	1
165°	2	4	6	8	12	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	985.3	985.3	985.3	985.3	985.3
2.5°	992.5	989.1	978.1	985.8	981.9
5°	989.1	986.4	975.8	984.2	980.8
7.5°	983.0	980.8	971.4	980.3	976.9
10°	974.7	973.1	964.8	973.6	971.4
12.5°	964.2	963.6	955.3	965.3	963.6
15°	949.8	949.8	944.8	954.8	953.1
17.5°	934.3	934.8	930.9	941.5	940.4
20°	915.4	918.2	915.4	926.5	925.4
22.5°	894.9	898.8	897.7	908.8	909.3
25°	873.3	877.1	878.3	889.9	888.2
27.5°	849.4	855.5	857.7	868.3	867.7
30°	821.7	830.0	835.0	843.9	846.7
32.5°	793.4	803.4	809.5	821.7	825.0
35°	765.1	774.0	784.0	796.2	799.0
37.5°	734.1	744.1	757.4	769.0	772.4
40°	703.0	714.1	726.9	739.6	744.6
42.5°	670.9	682.5	696.4	711.4	716.4
45°	634.3	649.8	666.5	679.2	683.6
47.5°	599.4	616.6	634.3	648.2	653.1
50°	563.9	582.2	601.0	613.8	621.5
52.5°	526.7	546.7	565.5	581.6	586.6
55°	489.0	509.0	530.1	547.2	551.1
57.5°	452.4	471.8	492.9	509.0	516.8
60°	412.5	433.6	456.3	472.4	480.7
62.5°	373.7	394.2	418.6	435.8	442.5
65°	336.6	355.4	380.4	398.1	404.2
67.5°	295.5	317.1	341.0	361.5	369.3
70°	255.0	275.6	302.7	322.1	329.9
72.5°	217.3	237.3	264.5	283.9	291.1
75°	177.4	198.5	227.3	246.7	256.2
77.5°	139.2	162.5	190.2	211.2	221.8
80°	103.7	124.2	154.1	177.4	186.9
82.5°	70.4	92.6	123.6	145.3	155.8
85°	43.2	66.5	95.4	115.9	123.1
87.5°	20.5	42.7	69.3	89.3	98.1
90°	2.8	23.8	48.8	68.2	75.4
92.5°	0.6	20.5	44.9	63.2	69.9
95°	0.6	20.5	44.4	62.1	68.8
97.5°	0.6	20.0	43.8	61.5	67.6
100°	0.6	19.4	43.2	60.4	67.1
102.5°	0.6	19.4	42.1	59.3	65.4
105°	0.6	18.9	41.6	58.2	64.3
107.5°	0.6	18.3	40.5	57.1	63.2
110°	0.6	17.2	39.9	55.4	61.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	16.6	38.8	54.3	59.9
115°	0.6	16.1	37.7	52.7	58.2
117.5°	0.6	15.5	36.0	51.0	56.6
120°	1.1	15.5	34.9	49.3	54.3
122.5°	1.1	15.0	33.3	47.1	52.1
125°	1.1	14.4	31.6	45.5	50.5
127.5°	1.1	13.9	29.9	43.2	47.7
130°	1.1	12.8	28.8	41.0	45.5
132.5°	1.1	12.2	27.2	38.3	42.7
135°	1.1	11.1	25.5	36.0	40.5
137.5°	1.1	10.5	23.8	33.8	37.7
140°	1.1	10.0	21.6	31.6	35.5
142.5°	1.1	8.9	20.0	29.4	32.7
145°	1.1	8.3	17.7	27.2	29.9
147.5°	1.1	7.2	16.1	25.0	27.7
150°	1.1	6.7	14.4	22.7	25.5
152.5°	1.1	6.1	12.8	20.0	22.7
155°	1.1	5.5	11.6	17.2	20.5
157.5°	1.1	5.0	10.0	15.0	18.3
160°	1.7	4.4	8.9	12.8	15.5
162.5°	1.7	3.9	7.2	10.5	13.9
165°	1.7	3.9	6.1	8.3	11.6
167.5°	1.7	3.3	5.0	6.7	9.4
170°	1.7	2.8	4.4	5.0	7.2
172.5°	1.7	2.2	3.3	3.3	3.9
175°	1.7	2.2	2.8	2.8	1.7
177.5°	1.7	1.7	1.7	1.7	1.1
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)