

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: P566350

Luminaire Tested: **4SNX-37SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566350
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-37SL-LW-UNV-L830-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

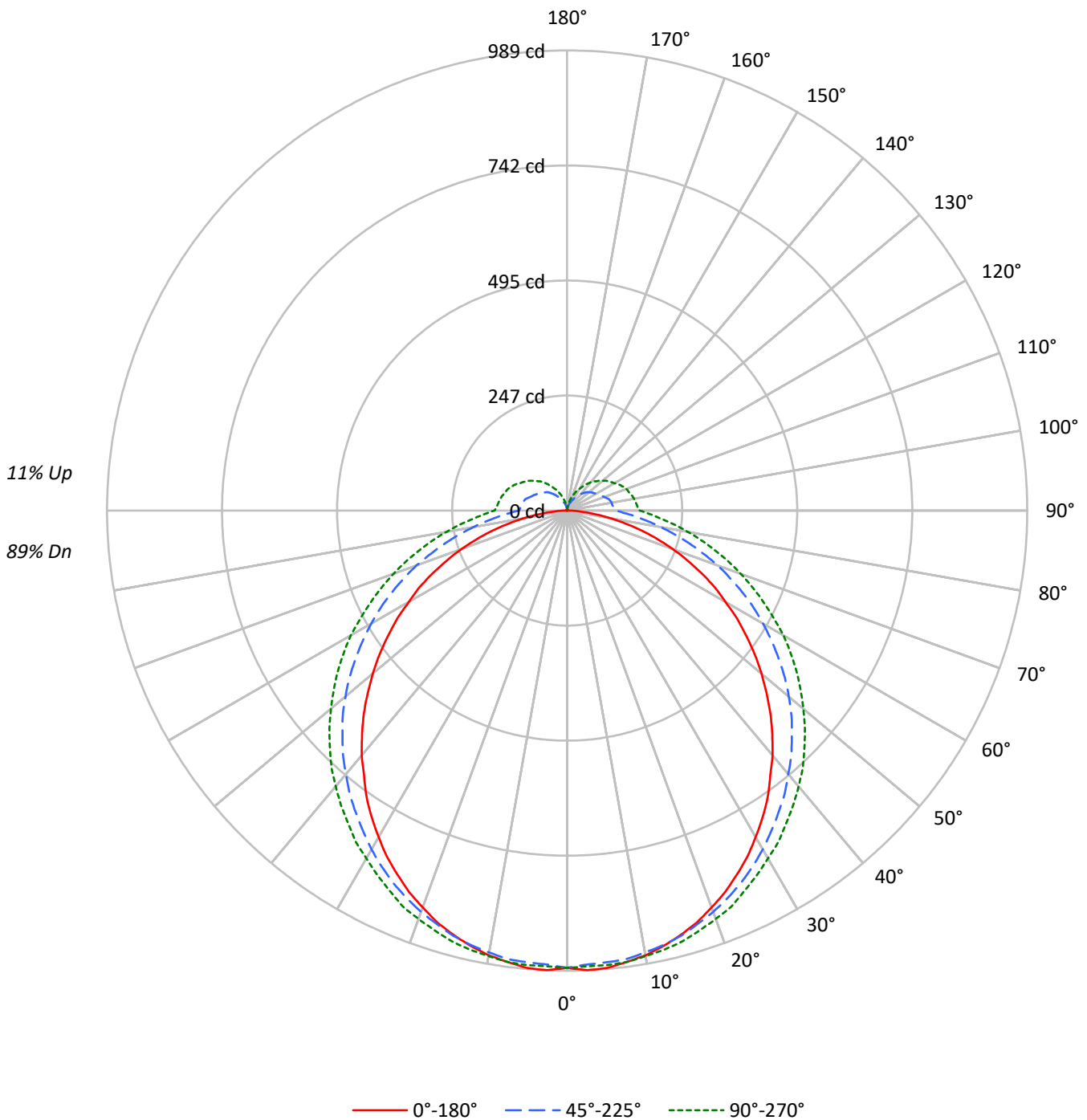
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3498.0 lumens
Efficiency: N/A
Efficacy: 145.7 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 24
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°	10577	10577	10577
5°	10622	10087	10011
10°	10529	9685	9511
15°	10405	9295	9060
20°	10241	8892	8610
25°	10055	8504	8169
30°	9836	8106	7746
35°	9596	7707	7350
40°	9324	7316	6973
45°	9030	6925	6587
50°	8695	6522	6182
55°	8325	6073	5784
60°	7891	5605	5364
65°	7437	5100	4885
70°	6808	4562	4413
75°	5978	3935	3913
80°	4673	3302	3415
85°	3054	2716	2903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	2.7
10°-20°	268.3	7.7
20°-30°	407.9	11.7
30°-40°	495.1	14.2
40°-50°	523.2	15.0
50°-60°	489.6	14.0
60°-70°	401.7	11.5
70°-80°	276.3	7.9
80°-90°	151.3	4.3
90°-100°	97.4	2.8
100°-110°	87.4	2.5
110°-120°	72.4	2.1
120°-130°	55.7	1.6
130°-140°	39.2	1.1
140°-150°	23.6	0.7
150°-160°	11.3	0.3
160°-170°	3.7	0.1
170°-180°	0.4	0.0
0°-30°	769.5	22.0
0°-40°	1264.6	36.2
0°-60°	2277.5	65.1
0°-90°	3106.8	88.8
90°-120°	257.2	7.4
90°-150°	375.7	10.7
90°-180°	391.0	11.2
0°-180°	3498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	987	985	974	983	981	94
15°	944	948	946	958	958	266
25°	863	873	883	902	902	398
35°	752	770	792	814	820	470
45°	618	646	683	713	721	476
55°	470	508	555	590	602	421
65°	318	361	415	454	466	315
75°	166	211	272	314	328	175
85°	36	87	148	188	203	42
90°	0	49	103	142	156	2
95°	0	47	99	136	150	0
105°	0	38	93	128	140	1
115°	2	34	79	114	128	2
125°	2	28	67	97	109	2
135°	2	22	55	79	89	2
145°	2	16	38	61	67	1
155°	2	10	24	38	45	1
165°	2	6	12	18	22	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°	982.6	982.6	982.6	982.6	982.6
2.5°	988.7	986.6	976.5	984.6	980.6
5°	986.6	984.6	974.5	982.6	980.6
7.5°	978.5	978.5	972.5	980.6	978.5
10°	970.4	970.4	964.4	974.5	972.5
12.5°	958.3	960.3	956.3	968.4	966.4
15°	944.1	948.2	946.1	958.3	958.3
17.5°	927.9	931.9	931.9	946.1	946.1
20°	907.6	913.7	917.8	934.0	934.0
22.5°	887.4	895.5	901.6	915.7	921.8
25°	863.1	873.2	883.3	901.6	901.6
27.5°	838.8	850.9	863.1	881.3	883.3
30°	810.4	824.6	840.8	859.0	863.1
32.5°	782.0	800.3	816.5	838.8	844.8
35°	751.6	769.9	792.2	814.4	820.5
37.5°	717.2	739.5	767.8	792.2	798.2
40°	686.8	711.1	739.5	767.8	773.9
42.5°	652.4	678.7	713.1	739.5	749.6
45°	617.9	646.3	682.8	713.1	721.2
47.5°	581.5	613.9	654.4	682.8	692.9
50°	545.0	579.4	622.0	654.4	662.5
52.5°	508.5	545.0	589.6	622.0	632.1
55°	470.0	508.5	555.1	589.6	601.7
57.5°	433.6	472.1	520.7	557.1	569.3
60°	393.0	437.6	486.2	522.7	536.9
62.5°	358.6	399.1	451.8	488.3	500.4
65°	318.1	360.6	415.3	453.8	466.0
67.5°	279.6	324.2	378.9	419.4	431.5
70°	241.1	285.7	344.4	382.9	397.1
72.5°	202.6	249.2	305.9	348.5	362.6
75°	166.1	210.7	271.5	314.0	328.2
77.5°	127.6	176.3	237.0	279.6	295.8
80°	93.2	143.8	204.6	247.2	263.4
82.5°	62.8	113.5	174.2	216.8	233.0
85°	36.5	87.1	147.9	188.4	202.6
87.5°	18.2	66.9	123.6	164.1	178.3
90°	0.0	48.6	103.3	141.8	156.0
92.5°	0.0	46.6	101.3	137.8	151.9
95°	0.0	46.6	99.3	135.7	149.9
97.5°	0.0	44.6	97.2	135.7	147.9
100°	0.0	42.5	97.2	133.7	145.9
102.5°	0.0	40.5	95.2	131.7	143.8
105°	0.0	38.5	93.2	127.6	139.8
107.5°	2.0	38.5	89.1	125.6	137.8
110°	2.0	36.5	85.1	123.6	135.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	34.4	81.0	119.5	131.7
115°	2.0	34.4	79.0	113.5	127.6
117.5°	2.0	32.4	75.0	109.4	123.6
120°	2.0	32.4	72.9	105.4	117.5
122.5°	2.0	30.4	68.9	101.3	113.5
125°	2.0	28.4	66.9	97.2	109.4
127.5°	2.0	26.3	64.8	93.2	105.4
130°	2.0	24.3	60.8	89.1	99.3
132.5°	2.0	24.3	58.8	83.1	95.2
135°	2.0	22.3	54.7	79.0	89.1
137.5°	2.0	20.3	50.6	75.0	85.1
140°	2.0	18.2	46.6	70.9	79.0
142.5°	2.0	18.2	42.5	64.8	72.9
145°	2.0	16.2	38.5	60.8	66.9
147.5°	2.0	14.2	34.4	54.7	60.8
150°	2.0	14.2	30.4	48.6	54.7
152.5°	2.0	12.2	26.3	44.6	50.6
155°	2.0	10.1	24.3	38.5	44.6
157.5°	2.0	10.1	20.3	32.4	38.5
160°	2.0	8.1	18.2	26.3	32.4
162.5°	2.0	8.1	16.2	22.3	28.4
165°	2.0	6.1	12.2	18.2	22.3
167.5°	2.0	6.1	10.1	14.2	18.2
170°	2.0	4.1	8.1	10.1	14.2
172.5°	2.0	4.1	6.1	6.1	6.1
175°	2.0	2.0	4.1	4.1	2.0
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)