

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: P566404

Luminaire Tested: **4SNX-41SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566404
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-41SL-LW-UNV-L940-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

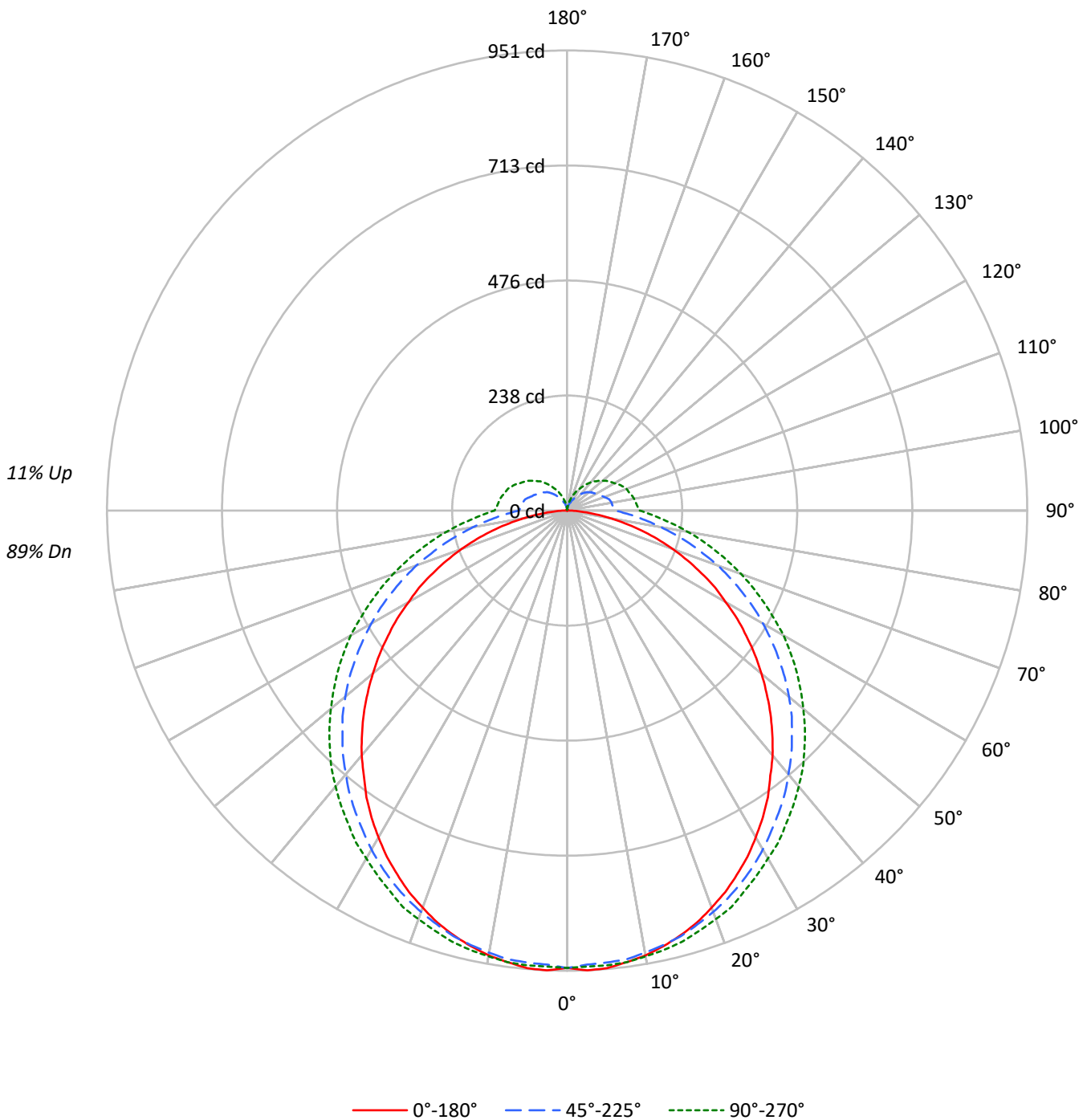
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3364.9 lumens
Efficiency: N/A
Efficacy: 127.9 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): 26.3
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°	10174	10174	10174
5°	10218	9703	9631
10°	10129	9317	9149
15°	10009	8943	8715
20°	9852	8554	8282
25°	9672	8181	7858
30°	9462	7798	7451
35°	9232	7413	7071
40°	8970	7038	6708
45°	8686	6662	6337
50°	8364	6274	5947
55°	8010	5842	5564
60°	7592	5391	5160
65°	7154	4906	4699
70°	6549	4388	4246
75°	5751	3786	3764
80°	4497	3176	3285
85°	2936	2613	2792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	2.7
10°-20°	258.1	7.7
20°-30°	392.4	11.7
30°-40°	476.3	14.2
40°-50°	503.3	15.0
50°-60°	471.0	14.0
60°-70°	386.4	11.5
70°-80°	265.8	7.9
80°-90°	145.6	4.3
90°-100°	93.7	2.8
100°-110°	84.1	2.5
110°-120°	69.6	2.1
120°-130°	53.6	1.6
130°-140°	37.7	1.1
140°-150°	22.7	0.7
150°-160°	10.9	0.3
160°-170°	3.6	0.1
170°-180°	0.4	0.0
0°-30°	740.2	22.0
0°-40°	1216.5	36.2
0°-60°	2190.9	65.1
0°-90°	2988.7	88.8
90°-120°	247.5	7.4
90°-150°	361.4	10.7
90°-180°	376.0	11.2
0°-180°	3364.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	949	947	937	945	943	90
15°	908	912	910	922	922	256
25°	830	840	850	867	867	383
35°	723	741	762	784	789	452
45°	594	622	657	686	694	458
55°	452	489	534	567	579	405
65°	306	347	400	437	448	303
75°	160	203	261	302	316	168
85°	35	84	142	181	195	41
90°	0	47	99	136	150	2
95°	0	45	96	131	144	0
105°	0	37	90	123	134	1
115°	2	33	76	109	123	2
125°	2	27	64	94	105	2
135°	2	21	53	76	86	1
145°	2	16	37	58	64	1
155°	2	10	23	37	43	1
165°	2	6	12	18	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°	945.2	945.2	945.2	945.2	945.2
2.5°	951.1	949.1	939.4	947.2	943.3
5°	949.1	947.2	937.4	945.2	943.3
7.5°	941.3	941.3	935.5	943.3	941.3
10°	933.5	933.5	927.7	937.4	935.5
12.5°	921.8	923.8	919.9	931.6	929.6
15°	908.2	912.1	910.2	921.8	921.8
17.5°	892.6	896.5	896.5	910.2	910.2
20°	873.1	879.0	882.9	898.5	898.5
22.5°	853.6	861.4	867.3	880.9	886.8
25°	830.2	840.0	849.7	867.3	867.3
27.5°	806.9	818.6	830.2	847.8	849.7
30°	779.6	793.2	808.8	826.4	830.2
32.5°	752.3	769.8	785.4	806.9	812.7
35°	723.1	740.6	762.0	783.5	789.3
37.5°	689.9	711.4	738.6	762.0	767.9
40°	660.7	684.1	711.4	738.6	744.5
42.5°	627.6	652.9	686.0	711.4	721.1
45°	594.4	621.7	656.8	686.0	693.8
47.5°	559.3	590.5	629.5	656.8	666.5
50°	524.3	557.4	598.3	629.5	637.3
52.5°	489.2	524.3	567.1	598.3	608.1
55°	452.2	489.2	534.0	567.1	578.8
57.5°	417.1	454.1	500.9	536.0	547.7
60°	378.1	421.0	467.7	502.8	516.5
62.5°	345.0	383.9	434.6	469.7	481.4
65°	306.0	346.9	399.5	436.6	448.3
67.5°	269.0	311.8	364.5	403.4	415.1
70°	231.9	274.8	331.3	368.3	382.0
72.5°	194.9	239.7	294.3	335.2	348.9
75°	159.8	202.7	261.2	302.1	315.7
77.5°	122.8	169.6	228.0	269.0	284.5
80°	89.7	138.4	196.8	237.8	253.4
82.5°	60.4	109.1	167.6	208.5	224.1
85°	35.1	83.8	142.3	181.3	194.9
87.5°	17.5	64.3	118.9	157.9	171.5
90°	0.0	46.8	99.4	136.4	150.1
92.5°	0.0	44.8	97.4	132.5	146.2
95°	0.0	44.8	95.5	130.6	144.2
97.5°	0.0	42.9	93.5	130.6	142.3
100°	0.0	40.9	93.5	128.6	140.3
102.5°	0.0	39.0	91.6	126.7	138.4
105°	0.0	37.0	89.7	122.8	134.5
107.5°	1.9	37.0	85.8	120.8	132.5
110°	1.9	35.1	81.9	118.9	130.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	33.1	78.0	115.0	126.7
115°	1.9	33.1	76.0	109.1	122.8
117.5°	1.9	31.2	72.1	105.2	118.9
120°	1.9	31.2	70.2	101.3	113.0
122.5°	1.9	29.2	66.3	97.4	109.1
125°	1.9	27.3	64.3	93.5	105.2
127.5°	1.9	25.3	62.4	89.7	101.3
130°	1.9	23.4	58.5	85.8	95.5
132.5°	1.9	23.4	56.5	79.9	91.6
135°	1.9	21.4	52.6	76.0	85.8
137.5°	1.9	19.5	48.7	72.1	81.9
140°	1.9	17.5	44.8	68.2	76.0
142.5°	1.9	17.5	40.9	62.4	70.2
145°	1.9	15.6	37.0	58.5	64.3
147.5°	1.9	13.6	33.1	52.6	58.5
150°	1.9	13.6	29.2	46.8	52.6
152.5°	1.9	11.7	25.3	42.9	48.7
155°	1.9	9.7	23.4	37.0	42.9
157.5°	1.9	9.7	19.5	31.2	37.0
160°	1.9	7.8	17.5	25.3	31.2
162.5°	1.9	7.8	15.6	21.4	27.3
165°	1.9	5.8	11.7	17.5	21.4
167.5°	1.9	5.8	9.7	13.6	17.5
170°	1.9	3.9	7.8	9.7	13.6
172.5°	1.9	3.9	5.8	5.8	5.8
175°	1.9	1.9	3.9	3.9	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)