

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: P566398

Luminaire Tested: **4SNX-41SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566398
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-L830-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

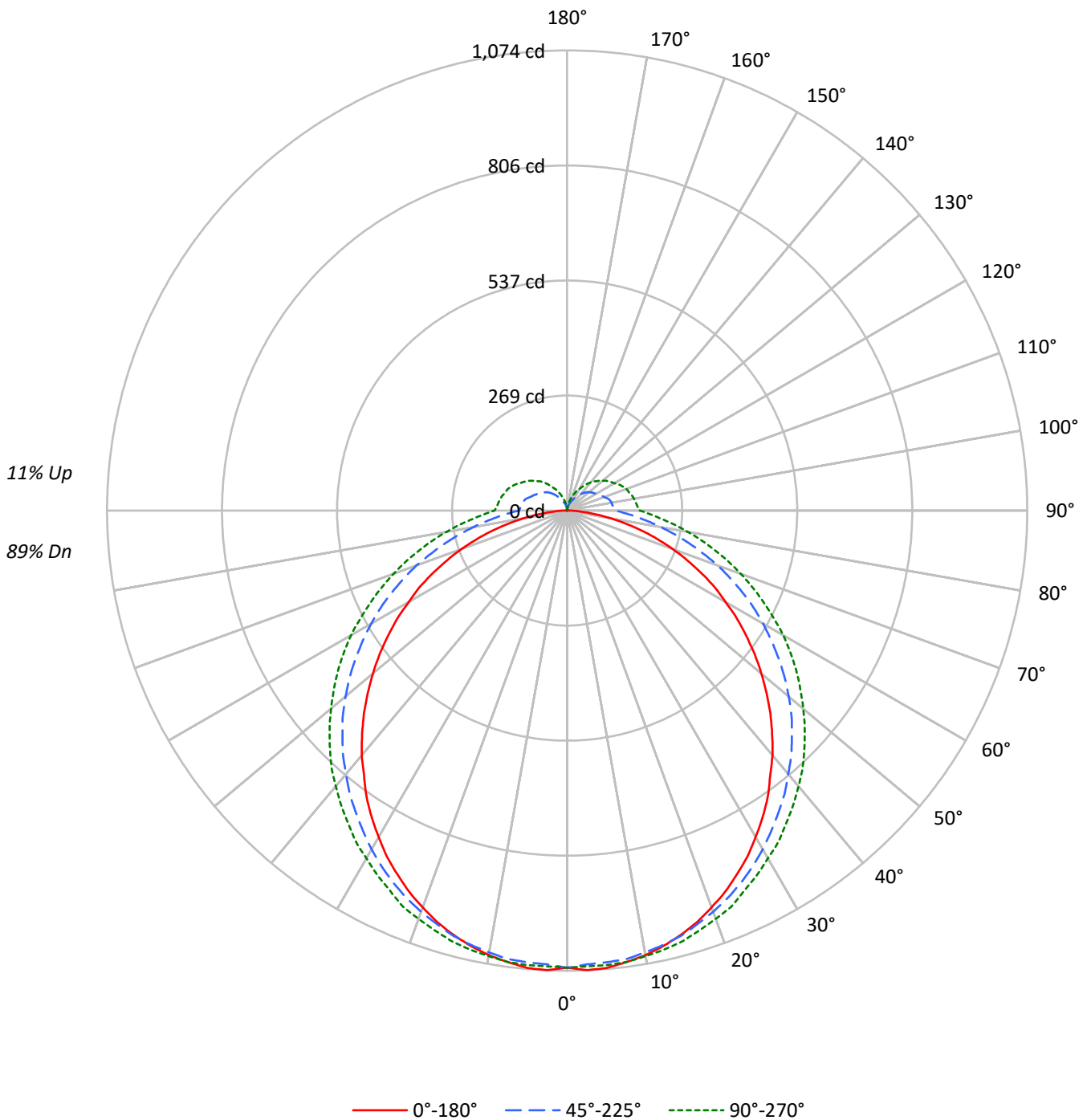
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3798.1 lumens
Efficiency: N/A
Efficacy: 144.4 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

TEST NUMBER: P566398
CATALOG NUMBER: 4SNX-41SL-LW-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566398

CATALOG NUMBER: 4SNX-41SL-LW-UNV-L830-CD

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°	11484	11484	11484
5°	11533	10953	10870
10°	11433	10516	10327
15°	11297	10093	9838
20°	11120	9655	9348
25°	10917	9234	8869
30°	10679	8801	8410
35°	10420	8367	7981
40°	10124	7943	7572
45°	9804	7519	7152
50°	9440	7081	6712
55°	9039	6594	6280
60°	8568	6085	5824
65°	8076	5537	5303
70°	7393	4954	4791
75°	6493	4273	4249
80°	5074	3586	3708
85°	3313	2949	3152



TEST NUMBER: P566398

CATALOG NUMBER: 4SNX-41SL-LW-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	2.7
10°-20°	291.3	7.7
20°-30°	442.9	11.7
30°-40°	537.6	14.2
40°-50°	568.1	15.0
50°-60°	531.6	14.0
60°-70°	436.2	11.5
70°-80°	300.0	7.9
80°-90°	164.3	4.3
90°-100°	105.8	2.8
100°-110°	94.9	2.5
110°-120°	78.6	2.1
120°-130°	60.5	1.6
130°-140°	42.5	1.1
140°-150°	25.6	0.7
150°-160°	12.3	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	835.5	22.0
0°-40°	1373.1	36.2
0°-60°	2472.8	65.1
0°-90°	3373.3	88.8
90°-120°	279.3	7.4
90°-150°	408.0	10.7
90°-180°	425.0	11.2
0°-180°	3798.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1071	1069	1058	1067	1065	102
15°	1025	1030	1027	1040	1040	289
25°	937	948	959	979	979	432
35°	816	836	860	884	891	510
45°	671	702	741	774	783	517
55°	510	552	603	640	653	457
65°	345	392	451	493	506	342
75°	180	229	295	341	356	190
85°	40	95	161	205	220	46
90°	0	53	112	154	169	3
95°	0	51	108	147	163	0
105°	0	42	101	139	152	1
115°	2	37	86	123	139	2
125°	2	31	73	106	119	2
135°	2	24	59	86	97	2
145°	2	18	42	66	73	1
155°	2	11	26	42	48	1
165°	2	7	13	20	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566398

CATALOG NUMBER: 4SNX-41SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1066.9	1066.9	1066.9	1066.9	1066.9
2.5°	1073.5	1071.3	1060.3	1069.1	1064.7
5°	1071.3	1069.1	1058.1	1066.9	1064.7
7.5°	1062.5	1062.5	1055.9	1064.7	1062.5
10°	1053.7	1053.7	1047.1	1058.1	1055.9
12.5°	1040.5	1042.7	1038.3	1051.5	1049.3
15°	1025.1	1029.5	1027.3	1040.5	1040.5
17.5°	1007.5	1011.9	1011.9	1027.3	1027.3
20°	985.5	992.1	996.5	1014.1	1014.1
22.5°	963.5	972.3	978.9	994.3	1000.9
25°	937.1	948.1	959.1	978.9	978.9
27.5°	910.7	923.9	937.1	956.9	959.1
30°	879.9	895.3	912.9	932.7	937.1
32.5°	849.1	868.9	886.5	910.7	917.3
35°	816.1	835.9	860.1	884.3	890.9
37.5°	778.7	802.9	833.7	860.1	866.7
40°	745.7	772.1	802.9	833.7	840.3
42.5°	708.3	736.9	774.3	802.9	813.9
45°	670.9	701.7	741.3	774.3	783.1
47.5°	631.3	666.5	710.5	741.3	752.3
50°	591.7	629.1	675.3	710.5	719.3
52.5°	552.1	591.7	640.1	675.3	686.3
55°	510.3	552.1	602.7	640.1	653.3
57.5°	470.7	512.5	565.3	604.9	618.1
60°	426.7	475.1	527.9	567.5	582.9
62.5°	389.4	433.3	490.5	530.1	543.3
65°	345.4	391.6	450.9	492.7	505.9
67.5°	303.6	352.0	411.3	455.3	468.5
70°	261.8	310.2	374.0	415.7	431.1
72.5°	220.0	270.6	332.2	378.4	393.8
75°	180.4	228.8	294.8	341.0	356.4
77.5°	138.6	191.4	257.4	303.6	321.2
80°	101.2	156.2	222.2	268.4	286.0
82.5°	68.2	123.2	189.2	235.4	253.0
85°	39.6	94.6	160.6	204.6	220.0
87.5°	19.8	72.6	134.2	178.2	193.6
90°	0.0	52.8	112.2	154.0	169.4
92.5°	0.0	50.6	110.0	149.6	165.0
95°	0.0	50.6	107.8	147.4	162.8
97.5°	0.0	48.4	105.6	147.4	160.6
100°	0.0	46.2	105.6	145.2	158.4
102.5°	0.0	44.0	103.4	143.0	156.2
105°	0.0	41.8	101.2	138.6	151.8
107.5°	2.2	41.8	96.8	136.4	149.6
110°	2.2	39.6	92.4	134.2	147.4



TEST NUMBER: P566398

CATALOG NUMBER: 4SNX-41SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	37.4	88.0	129.8	143.0
115°	2.2	37.4	85.8	123.2	138.6
117.5°	2.2	35.2	81.4	118.8	134.2
120°	2.2	35.2	79.2	114.4	127.6
122.5°	2.2	33.0	74.8	110.0	123.2
125°	2.2	30.8	72.6	105.6	118.8
127.5°	2.2	28.6	70.4	101.2	114.4
130°	2.2	26.4	66.0	96.8	107.8
132.5°	2.2	26.4	63.8	90.2	103.4
135°	2.2	24.2	59.4	85.8	96.8
137.5°	2.2	22.0	55.0	81.4	92.4
140°	2.2	19.8	50.6	77.0	85.8
142.5°	2.2	19.8	46.2	70.4	79.2
145°	2.2	17.6	41.8	66.0	72.6
147.5°	2.2	15.4	37.4	59.4	66.0
150°	2.2	15.4	33.0	52.8	59.4
152.5°	2.2	13.2	28.6	48.4	55.0
155°	2.2	11.0	26.4	41.8	48.4
157.5°	2.2	11.0	22.0	35.2	41.8
160°	2.2	8.8	19.8	28.6	35.2
162.5°	2.2	8.8	17.6	24.2	30.8
165°	2.2	6.6	13.2	19.8	24.2
167.5°	2.2	6.6	11.0	15.4	19.8
170°	2.2	4.4	8.8	11.0	15.4
172.5°	2.2	4.4	6.6	6.6	6.6
175°	2.2	2.2	4.4	4.4	2.2
177.5°	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)