

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: P566399

Luminaire Tested: **4SNX-41SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566399
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-L835-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

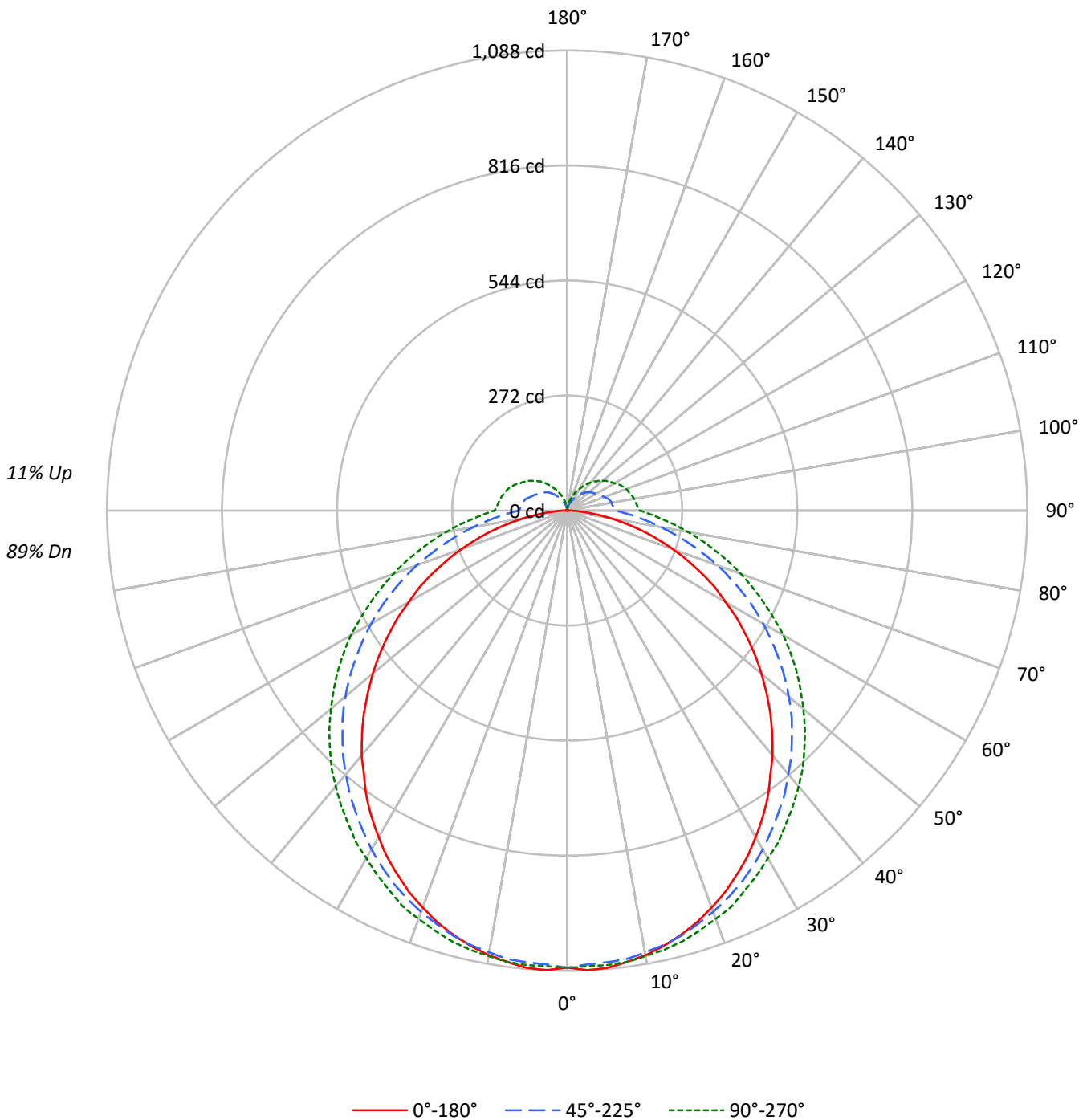
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3848.0 lumens
Efficiency: N/A
Efficacy: 146.3 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°	11635	11635	11635
5°	11685	11097	11013
10°	11583	10655	10463
15°	11446	10226	9967
20°	11267	9781	9471
25°	11061	9355	8986
30°	10820	8917	8521
35°	10556	8477	8086
40°	10257	8048	7672
45°	9933	7618	7246
50°	9564	7175	6801
55°	9159	6681	6363
60°	8682	6166	5901
65°	8181	5611	5373
70°	7489	5018	4855
75°	6579	4328	4304
80°	5139	3633	3756
85°	3355	2988	3194



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	2.7
10°-20°	295.1	7.7
20°-30°	448.7	11.7
30°-40°	544.7	14.2
40°-50°	575.6	15.0
50°-60°	538.6	14.0
60°-70°	441.9	11.5
70°-80°	304.0	7.9
80°-90°	166.5	4.3
90°-100°	107.2	2.8
100°-110°	96.2	2.5
110°-120°	79.6	2.1
120°-130°	61.3	1.6
130°-140°	43.1	1.1
140°-150°	26.0	0.7
150°-160°	12.4	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	846.5	22.0
0°-40°	1391.2	36.2
0°-60°	2505.4	65.1
0°-90°	3417.7	88.8
90°-120°	283.0	7.4
90°-150°	413.3	10.7
90°-180°	430.0	11.2
0°-180°	3848.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1081	1081	1081	1081	1081	
5°	1085	1083	1072	1081	1079	103
15°	1039	1043	1041	1054	1054	293
25°	949	961	972	992	992	437
35°	827	847	871	896	903	517
45°	680	711	751	784	793	524
55°	517	559	611	648	662	463
65°	350	397	457	499	513	347
75°	183	232	299	345	361	192
85°	40	96	163	207	223	46
90°	0	54	114	156	172	3
95°	0	51	109	149	165	0
105°	0	42	102	140	154	1
115°	2	38	87	125	140	2
125°	2	31	74	107	120	2
135°	2	24	60	87	98	2
145°	2	18	42	67	74	1
155°	2	11	27	42	49	1
165°	2	7	13	20	24	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°	1080.9	1080.9	1080.9	1080.9	1080.9
2.5°	1087.6	1085.4	1074.2	1083.1	1078.7
5°	1085.4	1083.1	1072.0	1080.9	1078.7
7.5°	1076.5	1076.5	1069.8	1078.7	1076.5
10°	1067.5	1067.5	1060.9	1072.0	1069.8
12.5°	1054.2	1056.4	1051.9	1065.3	1063.1
15°	1038.6	1043.0	1040.8	1054.2	1054.2
17.5°	1020.7	1025.2	1025.2	1040.8	1040.8
20°	998.5	1005.1	1009.6	1027.4	1027.4
22.5°	976.2	985.1	991.8	1007.4	1014.1
25°	949.4	960.6	971.7	991.8	991.8
27.5°	922.7	936.0	949.4	969.5	971.7
30°	891.5	907.1	924.9	945.0	949.4
32.5°	860.3	880.3	898.2	922.7	929.4
35°	826.8	846.9	871.4	895.9	902.6
37.5°	789.0	813.5	844.7	871.4	878.1
40°	755.5	782.3	813.5	844.7	851.4
42.5°	717.6	746.6	784.5	813.5	824.6
45°	679.7	711.0	751.1	784.5	793.4
47.5°	639.6	675.3	719.9	751.1	762.2
50°	599.5	637.4	684.2	719.9	728.8
52.5°	559.4	599.5	648.5	684.2	695.3
55°	517.1	559.4	610.7	648.5	661.9
57.5°	476.9	519.3	572.8	612.9	626.3
60°	432.4	481.4	534.9	575.0	590.6
62.5°	394.5	439.1	497.0	537.1	550.5
65°	349.9	396.7	456.9	499.2	512.6
67.5°	307.6	356.6	416.8	461.3	474.7
70°	265.2	314.2	378.9	421.2	436.8
72.5°	222.9	274.1	336.5	383.3	398.9
75°	182.8	231.8	298.6	345.4	361.0
77.5°	140.4	193.9	260.8	307.6	325.4
80°	102.5	158.2	225.1	271.9	289.7
82.5°	69.1	124.8	191.7	238.5	256.3
85°	40.1	95.8	162.7	207.3	222.9
87.5°	20.1	73.5	135.9	180.5	196.1
90°	0.0	53.5	113.7	156.0	171.6
92.5°	0.0	51.3	111.4	151.6	167.2
95°	0.0	51.3	109.2	149.3	164.9
97.5°	0.0	49.0	107.0	149.3	162.7
100°	0.0	46.8	107.0	147.1	160.5
102.5°	0.0	44.6	104.7	144.9	158.2
105°	0.0	42.3	102.5	140.4	153.8
107.5°	2.2	42.3	98.1	138.2	151.6
110°	2.2	40.1	93.6	135.9	149.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	37.9	89.1	131.5	144.9
115°	2.2	37.9	86.9	124.8	140.4
117.5°	2.2	35.7	82.5	120.3	135.9
120°	2.2	35.7	80.2	115.9	129.3
122.5°	2.2	33.4	75.8	111.4	124.8
125°	2.2	31.2	73.5	107.0	120.3
127.5°	2.2	29.0	71.3	102.5	115.9
130°	2.2	26.7	66.9	98.1	109.2
132.5°	2.2	26.7	64.6	91.4	104.7
135°	2.2	24.5	60.2	86.9	98.1
137.5°	2.2	22.3	55.7	82.5	93.6
140°	2.2	20.1	51.3	78.0	86.9
142.5°	2.2	20.1	46.8	71.3	80.2
145°	2.2	17.8	42.3	66.9	73.5
147.5°	2.2	15.6	37.9	60.2	66.9
150°	2.2	15.6	33.4	53.5	60.2
152.5°	2.2	13.4	29.0	49.0	55.7
155°	2.2	11.1	26.7	42.3	49.0
157.5°	2.2	11.1	22.3	35.7	42.3
160°	2.2	8.9	20.1	29.0	35.7
162.5°	2.2	8.9	17.8	24.5	31.2
165°	2.2	6.7	13.4	20.1	24.5
167.5°	2.2	6.7	11.1	15.6	20.1
170°	2.2	4.5	8.9	11.1	15.6
172.5°	2.2	4.5	6.7	6.7	6.7
175°	2.2	2.2	4.5	4.5	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)