

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: P566642

Luminaire Tested: **4SNX-60SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566642
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-60SL-LW-UNV-L930-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

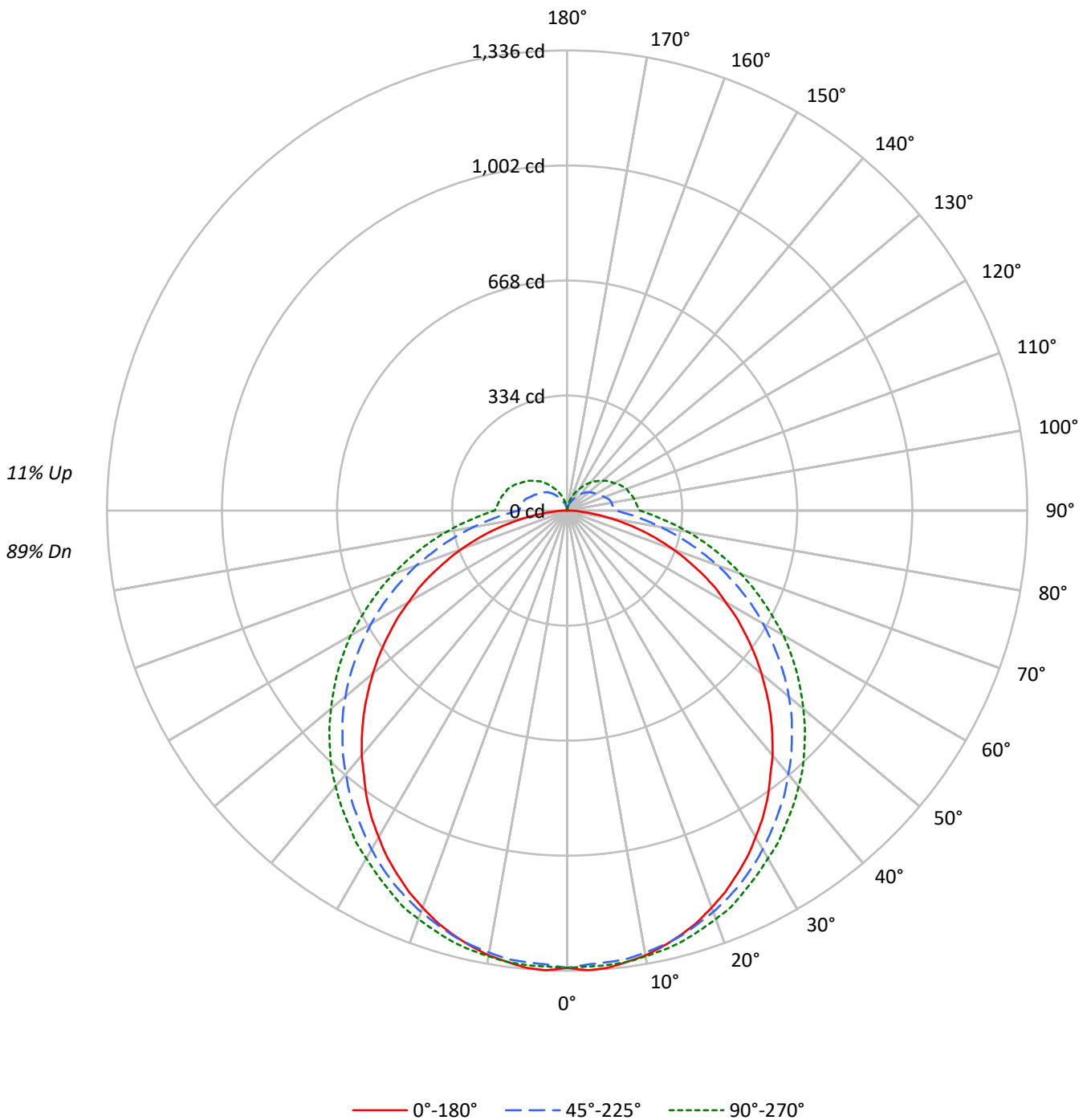
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4726.0 lumens
Efficiency: N/A
Efficacy: 112.5 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): 42
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°	14289	14289	14289
5°	14351	13629	13526
10°	14226	13085	12850
15°	14057	12559	12241
20°	13837	12014	11632
25°	13584	11490	11036
30°	13289	10951	10464
35°	12966	10411	9931
40°	12598	9884	9422
45°	12199	9355	8900
50°	11747	8812	8353
55°	11247	8205	7815
60°	10662	7572	7247
65°	10047	6890	6600
70°	9197	6163	5963
75°	8080	5317	5287
80°	6312	4463	4613
85°	4124	3669	3921



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	2.7
10°-20°	362.4	7.7
20°-30°	551.1	11.7
30°-40°	669.0	14.2
40°-50°	706.9	15.0
50°-60°	661.5	14.0
60°-70°	542.8	11.5
70°-80°	373.3	7.9
80°-90°	204.4	4.3
90°-100°	131.7	2.8
100°-110°	118.1	2.5
110°-120°	97.8	2.1
120°-130°	75.3	1.6
130°-140°	52.9	1.1
140°-150°	31.9	0.7
150°-160°	15.3	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	1039.6	22.0
0°-40°	1708.6	36.2
0°-60°	3077.0	65.1
0°-90°	4197.5	88.8
90°-120°	347.6	7.4
90°-150°	507.6	10.7
90°-180°	528.0	11.2
0°-180°	4726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1333	1330	1317	1328	1325	126
15°	1276	1281	1278	1295	1295	360
25°	1166	1180	1193	1218	1218	537
35°	1016	1040	1070	1100	1109	634
45°	835	873	922	964	974	643
55°	635	687	750	796	813	568
65°	430	487	561	613	630	426
75°	224	285	367	424	443	236
85°	49	118	200	255	274	57
90°	0	66	140	192	211	3
95°	0	63	134	183	203	0
105°	0	52	126	172	189	2
115°	3	46	107	153	172	3
125°	3	38	90	131	148	2
135°	3	30	74	107	120	2
145°	3	22	52	82	90	2
155°	3	14	33	52	60	1
165°	3	8	16	25	30	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.5	1327.5	1327.5	1327.5	1327.5
2.5°	1335.8	1333.0	1319.3	1330.3	1324.8
5°	1333.0	1330.3	1316.6	1327.5	1324.8
7.5°	1322.1	1322.1	1313.9	1324.8	1322.1
10°	1311.1	1311.1	1302.9	1316.6	1313.9
12.5°	1294.7	1297.4	1292.0	1308.4	1305.6
15°	1275.5	1281.0	1278.3	1294.7	1294.7
17.5°	1253.6	1259.1	1259.1	1278.3	1278.3
20°	1226.3	1234.5	1240.0	1261.9	1261.9
22.5°	1198.9	1209.8	1218.1	1237.2	1245.4
25°	1166.0	1179.7	1193.4	1218.1	1218.1
27.5°	1133.2	1149.6	1166.0	1190.7	1193.4
30°	1094.9	1114.0	1135.9	1160.6	1166.0
32.5°	1056.6	1081.2	1103.1	1133.2	1141.4
35°	1015.5	1040.1	1070.2	1100.4	1108.6
37.5°	969.0	999.1	1037.4	1070.2	1078.5
40°	927.9	960.8	999.1	1037.4	1045.6
42.5°	881.4	917.0	963.5	999.1	1012.8
45°	834.8	873.2	922.4	963.5	974.4
47.5°	785.6	829.4	884.1	922.4	936.1
50°	736.3	782.8	840.3	884.1	895.1
52.5°	687.0	736.3	796.5	840.3	854.0
55°	635.0	687.0	750.0	796.5	812.9
57.5°	585.8	637.8	703.5	752.7	769.2
60°	531.0	591.2	656.9	706.2	725.4
62.5°	484.5	539.2	610.4	659.7	676.1
65°	429.7	487.2	561.1	613.1	629.6
67.5°	377.7	438.0	511.9	566.6	583.0
70°	325.7	385.9	465.3	517.3	536.5
72.5°	273.7	336.7	413.3	470.8	490.0
75°	224.5	284.7	366.8	424.3	443.4
77.5°	172.4	238.1	320.3	377.7	399.6
80°	125.9	194.3	276.5	333.9	355.8
82.5°	84.9	153.3	235.4	292.9	314.8
85°	49.3	117.7	199.8	254.6	273.7
87.5°	24.6	90.3	167.0	221.7	240.9
90°	0.0	65.7	139.6	191.6	210.8
92.5°	0.0	63.0	136.9	186.1	205.3
95°	0.0	63.0	134.1	183.4	202.6
97.5°	0.0	60.2	131.4	183.4	199.8
100°	0.0	57.5	131.4	180.7	197.1
102.5°	0.0	54.7	128.6	177.9	194.3
105°	0.0	52.0	125.9	172.4	188.9
107.5°	2.7	52.0	120.4	169.7	186.1
110°	2.7	49.3	115.0	167.0	183.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	46.5	109.5	161.5	177.9
115°	2.7	46.5	106.8	153.3	172.4
117.5°	2.7	43.8	101.3	147.8	167.0
120°	2.7	43.8	98.5	142.3	158.8
122.5°	2.7	41.1	93.1	136.9	153.3
125°	2.7	38.3	90.3	131.4	147.8
127.5°	2.7	35.6	87.6	125.9	142.3
130°	2.7	32.8	82.1	120.4	134.1
132.5°	2.7	32.8	79.4	112.2	128.6
135°	2.7	30.1	73.9	106.8	120.4
137.5°	2.7	27.4	68.4	101.3	115.0
140°	2.7	24.6	63.0	95.8	106.8
142.5°	2.7	24.6	57.5	87.6	98.5
145°	2.7	21.9	52.0	82.1	90.3
147.5°	2.7	19.2	46.5	73.9	82.1
150°	2.7	19.2	41.1	65.7	73.9
152.5°	2.7	16.4	35.6	60.2	68.4
155°	2.7	13.7	32.8	52.0	60.2
157.5°	2.7	13.7	27.4	43.8	52.0
160°	2.7	10.9	24.6	35.6	43.8
162.5°	2.7	10.9	21.9	30.1	38.3
165°	2.7	8.2	16.4	24.6	30.1
167.5°	2.7	8.2	13.7	19.2	24.6
170°	2.7	5.5	10.9	13.7	19.2
172.5°	2.7	5.5	8.2	8.2	8.2
175°	2.7	2.7	5.5	5.5	2.7
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)