

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: P566643

Luminaire Tested: **4SNX-60SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566643
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-L935-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

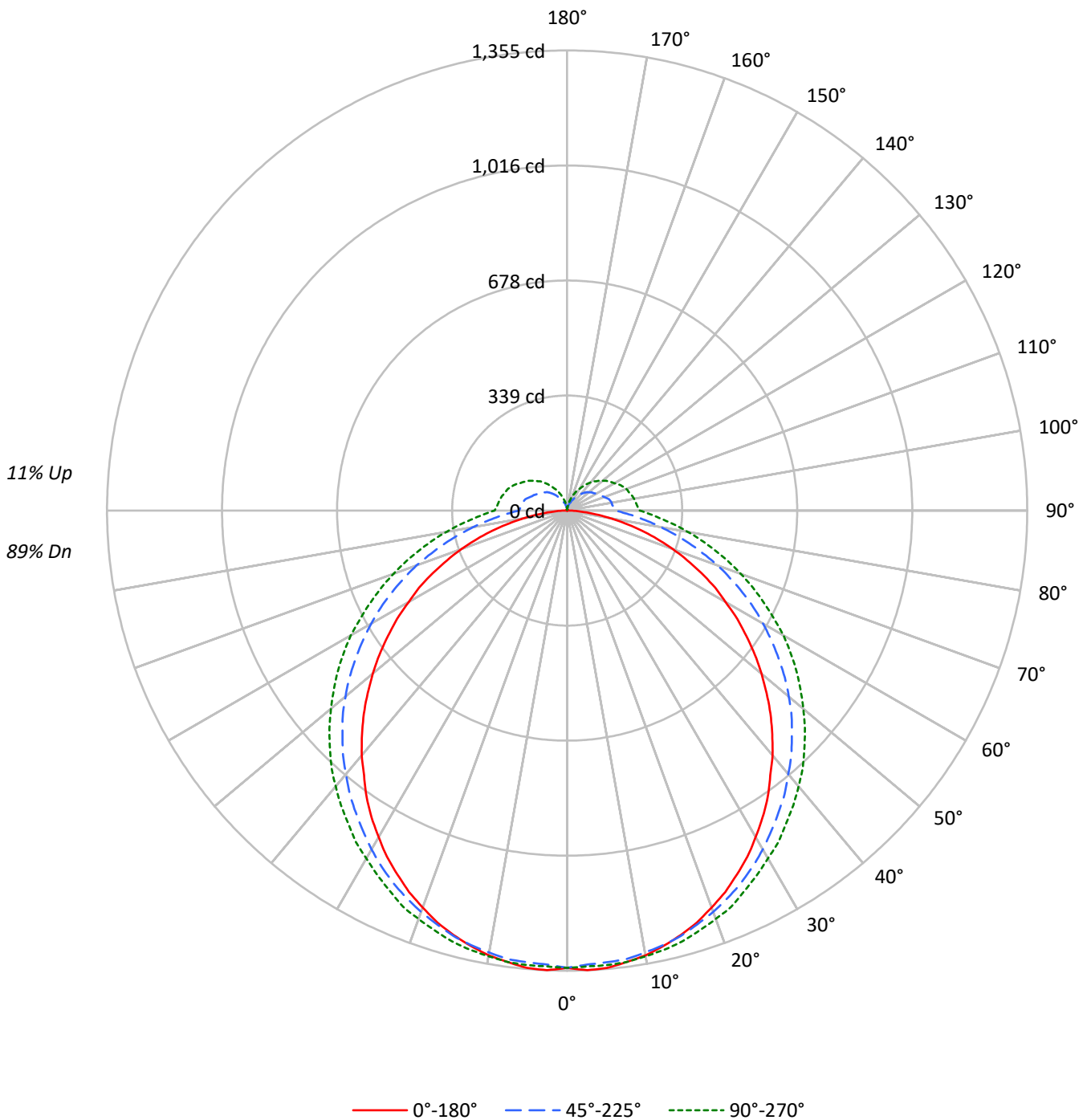
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4793.0 lumens
Efficiency: N/A
Efficacy: 114.1 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	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°	14493	14493	14493
5°	14554	13822	13718
10°	14428	13271	13032
15°	14256	12737	12415
20°	14033	12183	11796
25°	13778	11653	11192
30°	13477	11107	10613
35°	13150	10559	10072
40°	12777	10024	9555
45°	12373	9488	9027
50°	11912	8936	8471
55°	11407	8321	7926
60°	10812	7680	7349
65°	10189	6988	6693
70°	9327	6250	6047
75°	8192	5392	5362
80°	6403	4526	4679
85°	4183	3721	3977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	2.7
10°-20°	367.6	7.7
20°-30°	558.9	11.7
30°-40°	678.4	14.2
40°-50°	716.9	15.0
50°-60°	670.9	14.0
60°-70°	550.4	11.5
70°-80°	378.6	7.9
80°-90°	207.3	4.3
90°-100°	133.5	2.8
100°-110°	119.8	2.5
110°-120°	99.2	2.1
120°-130°	76.4	1.6
130°-140°	53.7	1.1
140°-150°	32.3	0.7
150°-160°	15.5	0.3
160°-170°	5.1	0.1
170°-180°	0.6	0.0
0°-30°	1054.4	22.0
0°-40°	1732.8	36.2
0°-60°	3120.6	65.1
0°-90°	4257.0	88.8
90°-120°	352.5	7.4
90°-150°	514.8	10.7
90°-180°	536.0	11.2
0°-180°	4793.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1346	1346	1346	1346	1346	
5°	1352	1349	1335	1346	1344	128
15°	1294	1299	1296	1313	1313	365
25°	1183	1196	1210	1235	1235	545
35°	1030	1055	1085	1116	1124	643
45°	847	886	936	977	988	653
55°	644	697	761	808	824	576
65°	436	494	569	622	638	432
75°	228	289	372	430	450	240
85°	50	119	203	258	278	58
90°	0	67	142	194	214	3
95°	0	64	136	186	205	0
105°	0	53	128	175	192	2
115°	3	47	108	156	175	3
125°	3	39	92	133	150	3
135°	3	30	75	108	122	2
145°	3	22	53	83	92	2
155°	3	14	33	53	61	1
165°	3	8	17	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°	1346.4	1346.4	1346.4	1346.4	1346.4
2.5°	1354.7	1351.9	1338.0	1349.1	1343.6
5°	1351.9	1349.1	1335.3	1346.4	1343.6
7.5°	1340.8	1340.8	1332.5	1343.6	1340.8
10°	1329.7	1329.7	1321.4	1335.3	1332.5
12.5°	1313.1	1315.8	1310.3	1326.9	1324.2
15°	1293.6	1299.2	1296.4	1313.1	1313.1
17.5°	1271.4	1277.0	1277.0	1296.4	1296.4
20°	1243.7	1252.0	1257.5	1279.7	1279.7
22.5°	1215.9	1227.0	1235.3	1254.8	1263.1
25°	1182.6	1196.5	1210.3	1235.3	1235.3
27.5°	1149.3	1165.9	1182.6	1207.6	1210.3
30°	1110.4	1129.8	1152.0	1177.0	1182.6
32.5°	1071.5	1096.5	1118.7	1149.3	1157.6
35°	1029.9	1054.9	1085.4	1116.0	1124.3
37.5°	982.7	1013.2	1052.1	1085.4	1093.7
40°	941.1	974.4	1013.2	1052.1	1060.4
42.5°	893.9	930.0	977.2	1013.2	1027.1
45°	846.7	885.5	935.5	977.2	988.3
47.5°	796.7	841.1	896.7	935.5	949.4
50°	746.7	793.9	852.2	896.7	907.8
52.5°	696.8	746.7	807.8	852.2	866.1
55°	644.0	696.8	760.6	807.8	824.5
57.5°	594.1	646.8	713.4	763.4	780.1
60°	538.5	599.6	666.2	716.2	735.6
62.5°	491.4	546.9	619.1	669.0	685.7
65°	435.8	494.1	569.1	621.8	638.5
67.5°	383.1	444.2	519.1	574.6	591.3
70°	330.3	391.4	471.9	524.7	544.1
72.5°	277.6	341.4	419.2	477.5	496.9
75°	227.6	288.7	372.0	430.3	449.7
77.5°	174.9	241.5	324.8	383.1	405.3
80°	127.7	197.1	280.4	338.7	360.9
82.5°	86.1	155.5	238.7	297.0	319.2
85°	50.0	119.4	202.6	258.2	277.6
87.5°	25.0	91.6	169.3	224.9	244.3
90°	0.0	66.6	141.6	194.3	213.8
92.5°	0.0	63.8	138.8	188.8	208.2
95°	0.0	63.8	136.0	186.0	205.4
97.5°	0.0	61.1	133.2	186.0	202.6
100°	0.0	58.3	133.2	183.2	199.9
102.5°	0.0	55.5	130.5	180.4	197.1
105°	0.0	52.7	127.7	174.9	191.5
107.5°	2.8	52.7	122.1	172.1	188.8
110°	2.8	50.0	116.6	169.3	186.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	47.2	111.0	163.8	180.4
115°	2.8	47.2	108.3	155.5	174.9
117.5°	2.8	44.4	102.7	149.9	169.3
120°	2.8	44.4	99.9	144.4	161.0
122.5°	2.8	41.6	94.4	138.8	155.5
125°	2.8	38.9	91.6	133.2	149.9
127.5°	2.8	36.1	88.8	127.7	144.4
130°	2.8	33.3	83.3	122.1	136.0
132.5°	2.8	33.3	80.5	113.8	130.5
135°	2.8	30.5	75.0	108.3	122.1
137.5°	2.8	27.8	69.4	102.7	116.6
140°	2.8	25.0	63.8	97.2	108.3
142.5°	2.8	25.0	58.3	88.8	99.9
145°	2.8	22.2	52.7	83.3	91.6
147.5°	2.8	19.4	47.2	75.0	83.3
150°	2.8	19.4	41.6	66.6	75.0
152.5°	2.8	16.7	36.1	61.1	69.4
155°	2.8	13.9	33.3	52.7	61.1
157.5°	2.8	13.9	27.8	44.4	52.7
160°	2.8	11.1	25.0	36.1	44.4
162.5°	2.8	11.1	22.2	30.5	38.9
165°	2.8	8.3	16.7	25.0	30.5
167.5°	2.8	8.3	13.9	19.4	25.0
170°	2.8	5.6	11.1	13.9	19.4
172.5°	2.8	5.6	8.3	8.3	8.3
175°	2.8	2.8	5.6	5.6	2.8
177.5°	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)