

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: P566639

Luminaire Tested: **4SNX-60SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566639
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-L835-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

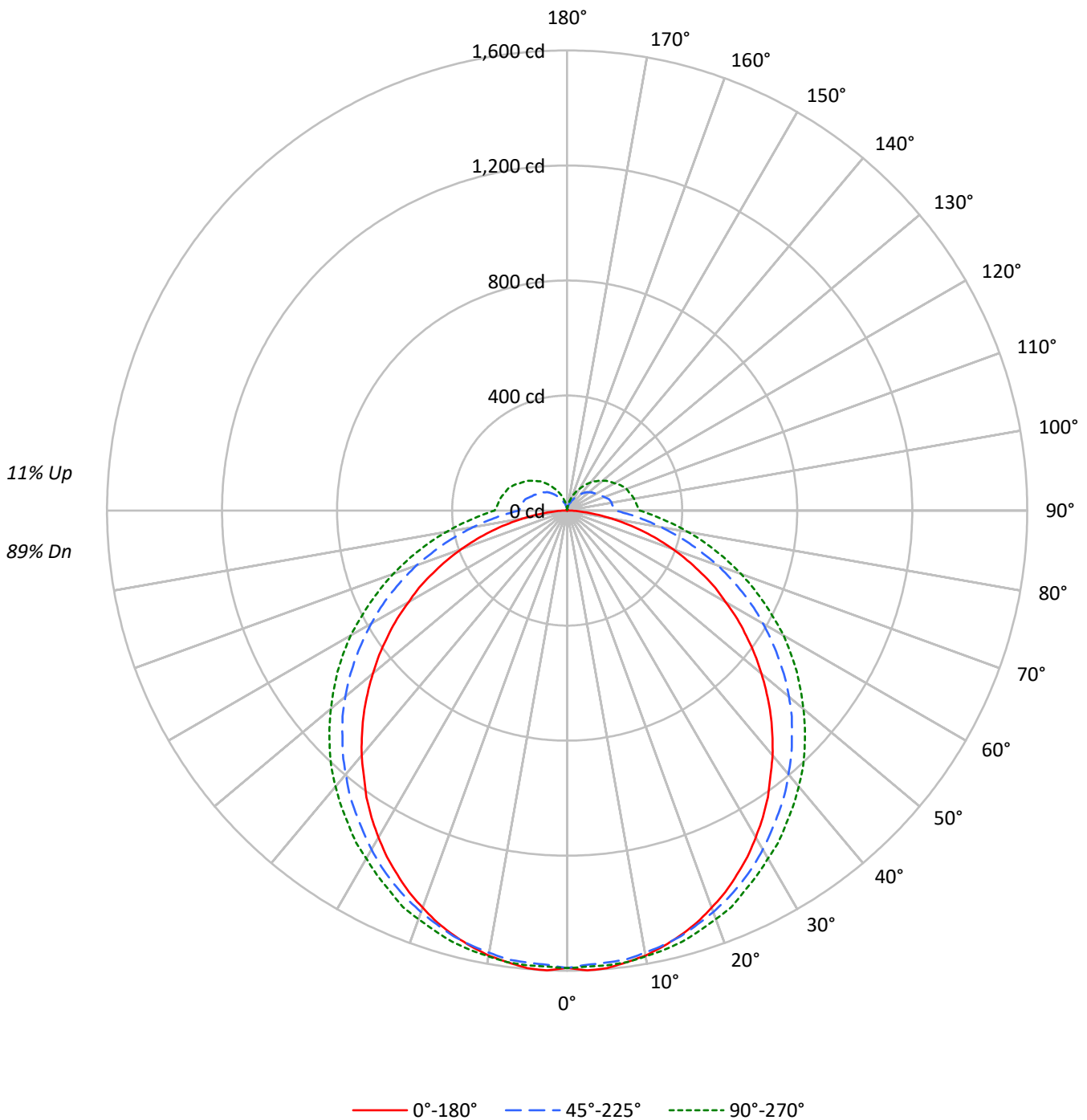
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5662.0 lumens
Efficiency: N/A
Efficacy: 134.8 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°	17120	17120	17120
5°	17193	16328	16205
10°	17044	15677	15395
15°	16842	15046	14665
20°	16577	14392	13936
25°	16275	13766	13221
30°	15920	13121	12538
35°	15533	12474	11898
40°	15093	11842	11288
45°	14616	11208	10662
50°	14073	10558	10006
55°	13476	9830	9363
60°	12774	9072	8682
65°	12039	8256	7906
70°	11019	7384	7143
75°	9678	6369	6334
80°	7561	5346	5527
85°	4936	4396	4698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.1	2.7
10°-20°	434.2	7.7
20°-30°	660.2	11.7
30°-40°	801.5	14.2
40°-50°	846.9	15.0
50°-60°	792.5	14.0
60°-70°	650.2	11.5
70°-80°	447.2	7.9
80°-90°	244.9	4.3
90°-100°	157.7	2.8
100°-110°	141.5	2.5
110°-120°	117.1	2.1
120°-130°	90.2	1.6
130°-140°	63.4	1.1
140°-150°	38.2	0.7
150°-160°	18.3	0.3
160°-170°	6.0	0.1
170°-180°	0.7	0.0
0°-30°	1245.5	22.0
0°-40°	2047.0	36.2
0°-60°	3686.4	65.1
0°-90°	5028.8	88.8
90°-120°	416.4	7.4
90°-150°	608.2	10.7
90°-180°	633.0	11.2
0°-180°	5662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1590	1590	1590	1590	1590	
5°	1597	1594	1577	1590	1587	151
15°	1528	1535	1531	1551	1551	431
25°	1397	1413	1430	1459	1459	644
35°	1217	1246	1282	1318	1328	760
45°	1000	1046	1105	1154	1167	771
55°	761	823	898	954	974	681
65°	515	584	672	735	754	510
75°	269	341	439	508	531	283
85°	59	141	239	305	328	68
90°	0	79	167	230	252	4
95°	0	75	161	220	243	0
105°	0	62	151	207	226	2
115°	3	56	128	184	207	3
125°	3	46	108	157	177	3
135°	3	36	88	128	144	3
145°	3	26	62	98	108	2
155°	3	16	39	62	72	2
165°	3	10	20	30	36	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1590.5	1590.5	1590.5	1590.5	1590.5
2.5°	1600.3	1597.0	1580.6	1593.7	1587.2
5°	1597.0	1593.7	1577.4	1590.5	1587.2
7.5°	1583.9	1583.9	1574.1	1587.2	1583.9
10°	1570.8	1570.8	1561.0	1577.4	1574.1
12.5°	1551.1	1554.4	1547.8	1567.5	1564.2
15°	1528.2	1534.7	1531.4	1551.1	1551.1
17.5°	1501.9	1508.5	1508.5	1531.4	1531.4
20°	1469.1	1479.0	1485.5	1511.8	1511.8
22.5°	1436.3	1449.5	1459.3	1482.3	1492.1
25°	1397.0	1413.4	1429.8	1459.3	1459.3
27.5°	1357.6	1377.3	1397.0	1426.5	1429.8
30°	1311.7	1334.7	1360.9	1390.4	1397.0
32.5°	1265.8	1295.3	1321.6	1357.6	1367.5
35°	1216.6	1246.1	1282.2	1318.3	1328.1
37.5°	1160.9	1197.0	1242.9	1282.2	1292.1
40°	1111.7	1151.0	1197.0	1242.9	1252.7
42.5°	1055.9	1098.6	1154.3	1197.0	1213.3
45°	1000.2	1046.1	1105.1	1154.3	1167.4
47.5°	941.2	993.6	1059.2	1105.1	1121.5
50°	882.1	937.9	1006.8	1059.2	1072.3
52.5°	823.1	882.1	954.3	1006.8	1023.1
55°	760.8	823.1	898.5	954.3	974.0
57.5°	701.8	764.1	842.8	901.8	921.5
60°	636.2	708.3	787.0	846.1	869.0
62.5°	580.4	646.0	731.3	790.3	810.0
65°	514.9	583.7	672.3	734.6	754.2
67.5°	452.5	524.7	613.2	678.8	698.5
70°	390.2	462.4	557.5	619.8	642.7
72.5°	327.9	403.4	495.2	564.0	587.0
75°	268.9	341.0	439.4	508.3	531.2
77.5°	206.6	285.3	383.7	452.5	478.8
80°	150.8	232.8	331.2	400.1	426.3
82.5°	101.7	183.6	282.0	350.9	377.1
85°	59.0	141.0	239.4	305.0	327.9
87.5°	29.5	108.2	200.0	265.6	288.6
90°	0.0	78.7	167.2	229.6	252.5
92.5°	0.0	75.4	164.0	223.0	245.9
95°	0.0	75.4	160.7	219.7	242.7
97.5°	0.0	72.1	157.4	219.7	239.4
100°	0.0	68.9	157.4	216.4	236.1
102.5°	0.0	65.6	154.1	213.2	232.8
105°	0.0	62.3	150.8	206.6	226.3
107.5°	3.3	62.3	144.3	203.3	223.0
110°	3.3	59.0	137.7	200.0	219.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.3	55.7	131.2	193.5	213.2
115°	3.3	55.7	127.9	183.6	206.6
117.5°	3.3	52.5	121.3	177.1	200.0
120°	3.3	52.5	118.1	170.5	190.2
122.5°	3.3	49.2	111.5	164.0	183.6
125°	3.3	45.9	108.2	157.4	177.1
127.5°	3.3	42.6	104.9	150.8	170.5
130°	3.3	39.4	98.4	144.3	160.7
132.5°	3.3	39.4	95.1	134.5	154.1
135°	3.3	36.1	88.5	127.9	144.3
137.5°	3.3	32.8	82.0	121.3	137.7
140°	3.3	29.5	75.4	114.8	127.9
142.5°	3.3	29.5	68.9	104.9	118.1
145°	3.3	26.2	62.3	98.4	108.2
147.5°	3.3	23.0	55.7	88.5	98.4
150°	3.3	23.0	49.2	78.7	88.5
152.5°	3.3	19.7	42.6	72.1	82.0
155°	3.3	16.4	39.4	62.3	72.1
157.5°	3.3	16.4	32.8	52.5	62.3
160°	3.3	13.1	29.5	42.6	52.5
162.5°	3.3	13.1	26.2	36.1	45.9
165°	3.3	9.8	19.7	29.5	36.1
167.5°	3.3	9.8	16.4	23.0	29.5
170°	3.3	6.6	13.1	16.4	23.0
172.5°	3.3	6.6	9.8	9.8	9.8
175°	3.3	3.3	6.6	6.6	3.3
177.5°	3.3	3.3	3.3	3.3	3.3
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)