

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: P567118

Luminaire Tested: **4SNX-SL3-SLW-UNV-CC83-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567118
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-SL3-SLW-UNV-CC83-CD-3500K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

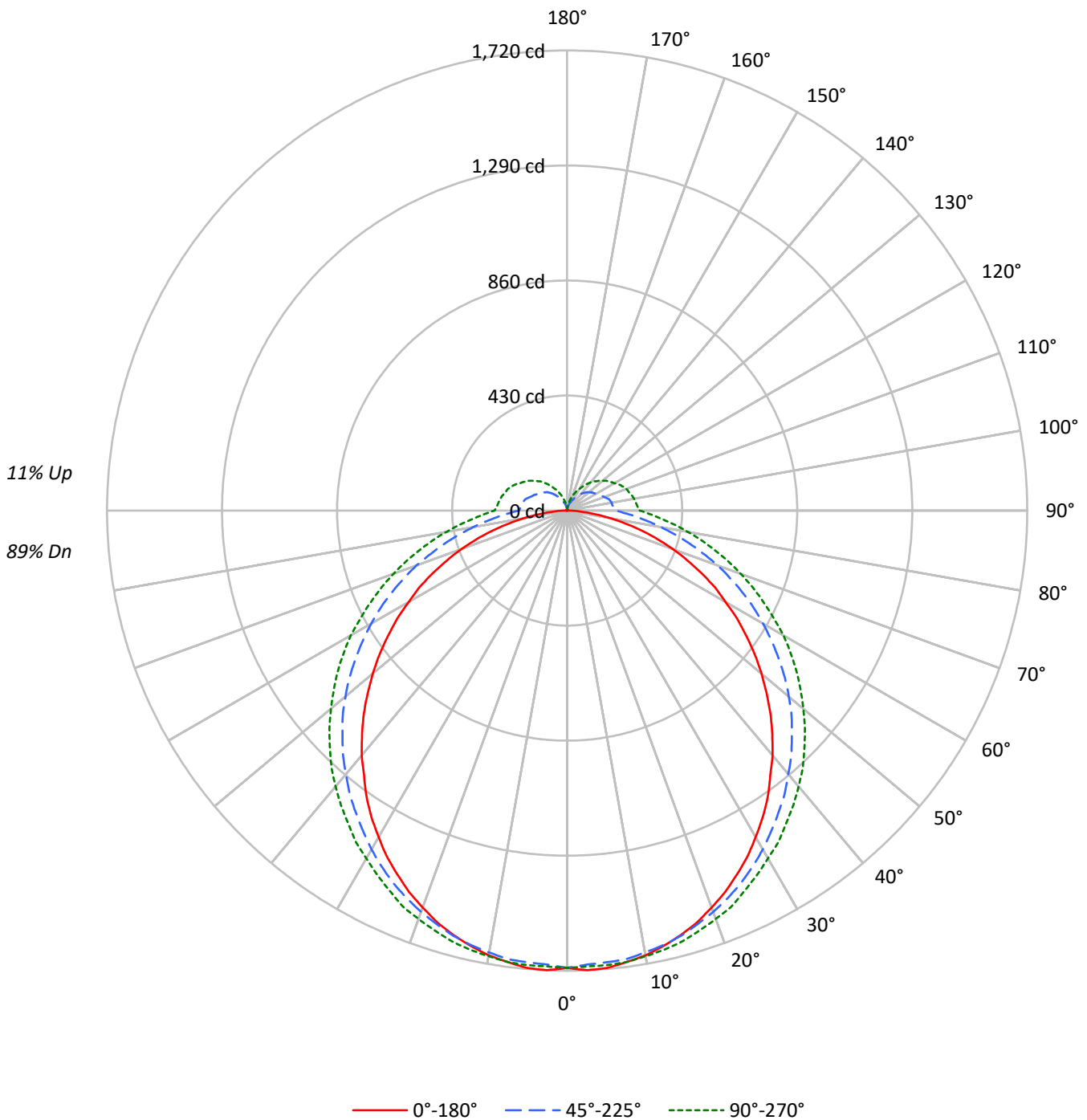
Lumens per Lamp: N/A
Luminaire Lumens: 6084.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 50.7
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°	18396	18396	18396
5°	18509	17922	17908
10°	18381	17560	17465
15°	18198	17189	17056
20°	17947	16763	16601
25°	17657	16345	16127
30°	17311	15887	15656
35°	16932	15413	15215
40°	16497	14945	14793
45°	16027	14468	14336
50°	15490	13964	13826
55°	14900	13360	13322
60°	14206	12713	12763
65°	13490	11987	12058
70°	12484	11186	11368
75°	11151	10170	10602
80°	8990	9137	9850
85°	6329	8248	9077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	2.7
10°-20°	466.6	7.7
20°-30°	709.4	11.7
30°-40°	861.2	14.2
40°-50°	910.0	15.0
50°-60°	851.6	14.0
60°-70°	698.7	11.5
70°-80°	480.6	7.9
80°-90°	263.2	4.3
90°-100°	169.5	2.8
100°-110°	152.1	2.5
110°-120°	125.9	2.1
120°-130°	96.9	1.6
130°-140°	68.1	1.1
140°-150°	41.0	0.7
150°-160°	19.6	0.3
160°-170°	6.5	0.1
170°-180°	0.8	0.0
0°-30°	1338.3	22.0
0°-40°	2199.5	36.2
0°-60°	3961.2	65.1
0°-90°	5403.6	88.8
90°-120°	447.4	7.4
90°-150°	653.5	10.7
90°-180°	680.0	11.2
0°-180°	6084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1709	1709	1709	1709	1709	
5°	1716	1712	1695	1709	1706	163
15°	1642	1649	1646	1667	1667	463
25°	1501	1519	1536	1568	1568	692
35°	1307	1339	1378	1416	1427	817
45°	1075	1124	1188	1240	1254	828
55°	818	884	966	1025	1046	732
65°	553	627	722	789	810	548
75°	289	366	472	546	571	304
85°	63	152	257	328	352	73
90°	0	85	180	247	271	4
95°	0	81	173	236	261	0
105°	0	67	162	222	243	2
115°	4	60	137	197	222	3
125°	4	49	116	169	190	3
135°	4	39	95	137	155	3
145°	4	28	67	106	116	2
155°	4	18	42	67	78	2
165°	4	11	21	32	39	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1709.0	1709.0	1709.0	1709.0	1709.0
2.5°	1719.6	1716.1	1698.4	1712.5	1705.5
5°	1716.1	1712.5	1694.9	1709.0	1705.5
7.5°	1702.0	1702.0	1691.4	1705.5	1702.0
10°	1687.9	1687.9	1677.3	1694.9	1691.4
12.5°	1666.7	1670.2	1663.2	1684.3	1680.8
15°	1642.1	1649.1	1645.6	1666.7	1666.7
17.5°	1613.9	1620.9	1620.9	1645.6	1645.6
20°	1578.6	1589.2	1596.3	1624.4	1624.4
22.5°	1543.4	1557.5	1568.1	1592.7	1603.3
25°	1501.1	1518.7	1536.3	1568.1	1568.1
27.5°	1458.8	1480.0	1501.1	1532.8	1536.3
30°	1409.5	1434.2	1462.3	1494.1	1501.1
32.5°	1360.2	1391.9	1420.1	1458.8	1469.4
35°	1307.3	1339.0	1377.8	1416.5	1427.1
37.5°	1247.4	1286.2	1335.5	1377.8	1388.4
40°	1194.5	1236.8	1286.2	1335.5	1346.1
42.5°	1134.6	1180.5	1240.4	1286.2	1303.8
45°	1074.7	1124.1	1187.5	1240.4	1254.4
47.5°	1011.3	1067.7	1138.2	1187.5	1205.1
50°	947.9	1007.8	1081.8	1138.2	1152.3
52.5°	884.5	947.9	1025.4	1081.8	1099.4
55°	817.5	884.5	965.5	1025.4	1046.5
57.5°	754.1	821.0	905.6	969.0	990.2
60°	683.6	761.1	845.7	909.1	933.8
62.5°	623.7	694.2	785.8	849.2	870.4
65°	553.2	627.2	722.4	789.3	810.5
67.5°	486.3	563.8	658.9	729.4	750.6
70°	419.3	496.8	599.0	666.0	690.7
72.5°	352.4	433.4	532.1	606.1	630.7
75°	288.9	366.5	472.2	546.2	570.8
77.5°	222.0	306.6	412.3	486.3	514.5
80°	162.1	250.2	355.9	429.9	458.1
82.5°	109.2	197.3	303.0	377.0	405.2
85°	63.4	151.5	257.2	327.7	352.4
87.5°	31.7	116.3	214.9	285.4	310.1
90°	0.0	84.6	179.7	246.7	271.3
92.5°	0.0	81.0	176.2	239.6	264.3
95°	0.0	81.0	172.7	236.1	260.8
97.5°	0.0	77.5	169.1	236.1	257.2
100°	0.0	74.0	169.1	232.6	253.7
102.5°	0.0	70.5	165.6	229.0	250.2
105°	0.0	67.0	162.1	222.0	243.1
107.5°	3.5	67.0	155.0	218.5	239.6
110°	3.5	63.4	148.0	214.9	236.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	59.9	140.9	207.9	229.0
115°	3.5	59.9	137.4	197.3	222.0
117.5°	3.5	56.4	130.4	190.3	214.9
120°	3.5	56.4	126.9	183.2	204.4
122.5°	3.5	52.9	119.8	176.2	197.3
125°	3.5	49.3	116.3	169.1	190.3
127.5°	3.5	45.8	112.8	162.1	183.2
130°	3.5	42.3	105.7	155.0	172.7
132.5°	3.5	42.3	102.2	144.5	165.6
135°	3.5	38.8	95.1	137.4	155.0
137.5°	3.5	35.2	88.1	130.4	148.0
140°	3.5	31.7	81.0	123.3	137.4
142.5°	3.5	31.7	74.0	112.8	126.9
145°	3.5	28.2	67.0	105.7	116.3
147.5°	3.5	24.7	59.9	95.1	105.7
150°	3.5	24.7	52.9	84.6	95.1
152.5°	3.5	21.1	45.8	77.5	88.1
155°	3.5	17.6	42.3	67.0	77.5
157.5°	3.5	17.6	35.2	56.4	67.0
160°	3.5	14.1	31.7	45.8	56.4
162.5°	3.5	14.1	28.2	38.8	49.3
165°	3.5	10.6	21.1	31.7	38.8
167.5°	3.5	10.6	17.6	24.7	31.7
170°	3.5	7.0	14.1	17.6	24.7
172.5°	3.5	7.0	10.6	10.6	10.6
175°	3.5	3.5	7.0	7.0	3.5
177.5°	3.5	3.5	3.5	3.5	3.5
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)