

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: P566610

Luminaire Tested: **4SNX-57SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-57SL-UNV-L930-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

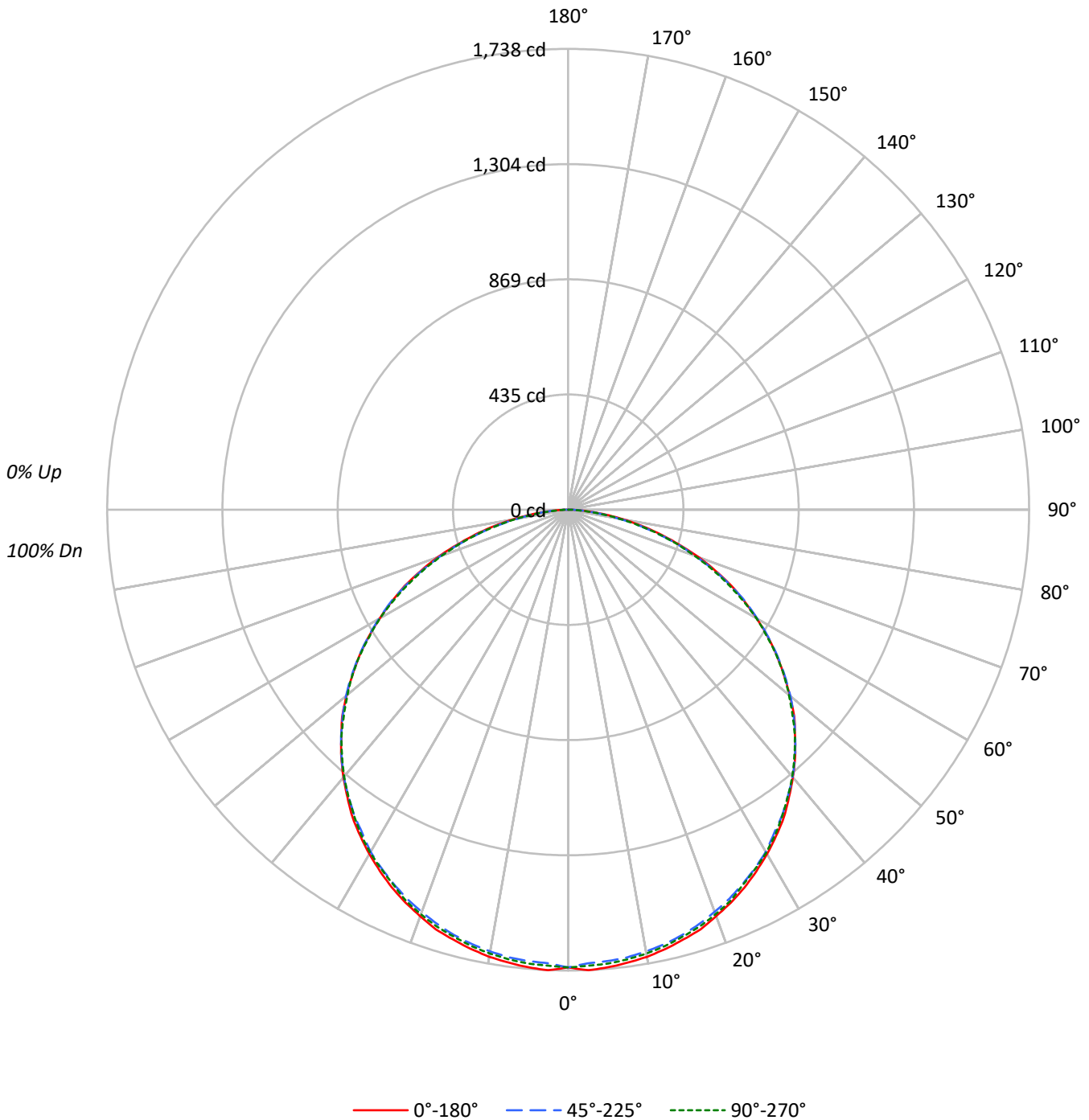
Lumens per Lamp: N/A
Luminaire Lumens: 5161.0 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39.7
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18580	18580	18580
5°	18718	18466	18566
10°	18713	18492	18578
15°	18699	18508	18578
20°	18687	18491	18598
25°	18675	18491	18528
30°	18637	18522	18560
35°	18622	18479	18500
40°	18518	18496	18473
45°	18407	18430	18407
50°	18273	18325	18196
55°	18031	18089	18003
60°	17677	17743	17644
65°	17317	17197	16960
70°	16463	16120	15925
75°	15043	14527	14589
80°	12992	12025	12317
85°	9781	9399	8435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	3.2
10°-20°	471.8	9.1
20°-30°	721.9	14.0
30°-40°	882.7	17.1
40°-50°	933.7	18.1
50°-60°	860.3	16.7
60°-70°	663.0	12.8
70°-80°	371.5	7.2
80°-90°	92.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1357.5	26.3
0°-40°	2240.2	43.4
0°-60°	4034.3	78.2
0°-90°	5161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1732	1726	1709	1726	1718	165
15°	1678	1675	1661	1675	1667	474
25°	1572	1569	1557	1569	1560	725
35°	1417	1414	1406	1411	1408	885
45°	1209	1214	1211	1209	1209	934
55°	961	969	964	964	959	858
65°	680	680	675	658	666	669
75°	362	357	349	337	351	383
85°	79	74	76	76	68	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1726.1	1726.1	1726.1	1726.1	1726.1
2.5°	1738.5	1730.7	1712.1	1729.2	1721.4
5°	1732.3	1726.1	1709.0	1726.1	1718.3
7.5°	1723.0	1718.3	1702.8	1718.3	1710.6
10°	1712.1	1707.5	1691.9	1707.5	1699.7
12.5°	1696.6	1693.5	1678.0	1693.5	1685.7
15°	1678.0	1674.9	1660.9	1674.9	1667.1
17.5°	1659.3	1653.1	1639.2	1654.7	1648.5
20°	1631.4	1628.3	1614.3	1628.3	1623.6
22.5°	1603.5	1600.4	1587.9	1600.4	1597.3
25°	1572.4	1569.3	1556.9	1569.3	1560.0
27.5°	1536.7	1538.3	1524.3	1532.1	1527.4
30°	1499.5	1499.5	1490.2	1493.3	1493.3
32.5°	1459.1	1459.1	1445.1	1454.5	1452.9
35°	1417.2	1414.1	1406.3	1411.0	1407.9
37.5°	1367.5	1366.0	1361.3	1364.4	1361.3
40°	1317.9	1319.4	1316.3	1314.7	1314.7
42.5°	1266.6	1269.7	1265.1	1263.5	1262.0
45°	1209.2	1213.9	1210.7	1209.2	1209.2
47.5°	1156.4	1158.0	1153.3	1151.8	1147.1
50°	1091.2	1097.4	1094.3	1091.2	1086.6
52.5°	1026.0	1035.3	1029.1	1026.0	1026.0
55°	960.8	968.6	963.9	963.9	959.3
57.5°	892.5	900.3	894.1	894.1	887.9
60°	821.1	828.9	824.2	819.6	819.6
62.5°	749.7	755.9	754.4	746.6	742.0
65°	679.9	679.9	675.2	658.2	665.9
67.5°	600.7	599.2	593.0	575.9	586.7
70°	523.1	523.1	512.2	492.1	506.0
72.5°	439.3	443.9	430.0	416.0	430.0
75°	361.7	357.0	349.3	336.8	350.8
77.5°	287.2	279.4	270.1	263.9	271.6
80°	209.6	204.9	194.0	194.0	198.7
82.5°	142.8	138.1	130.4	131.9	125.7
85°	79.2	74.5	76.1	76.1	68.3
87.5°	32.6	32.6	32.6	29.5	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)