

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: P566890

Luminaire Tested: **4SNX-84HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-84HL-SLW-UNV-L930-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

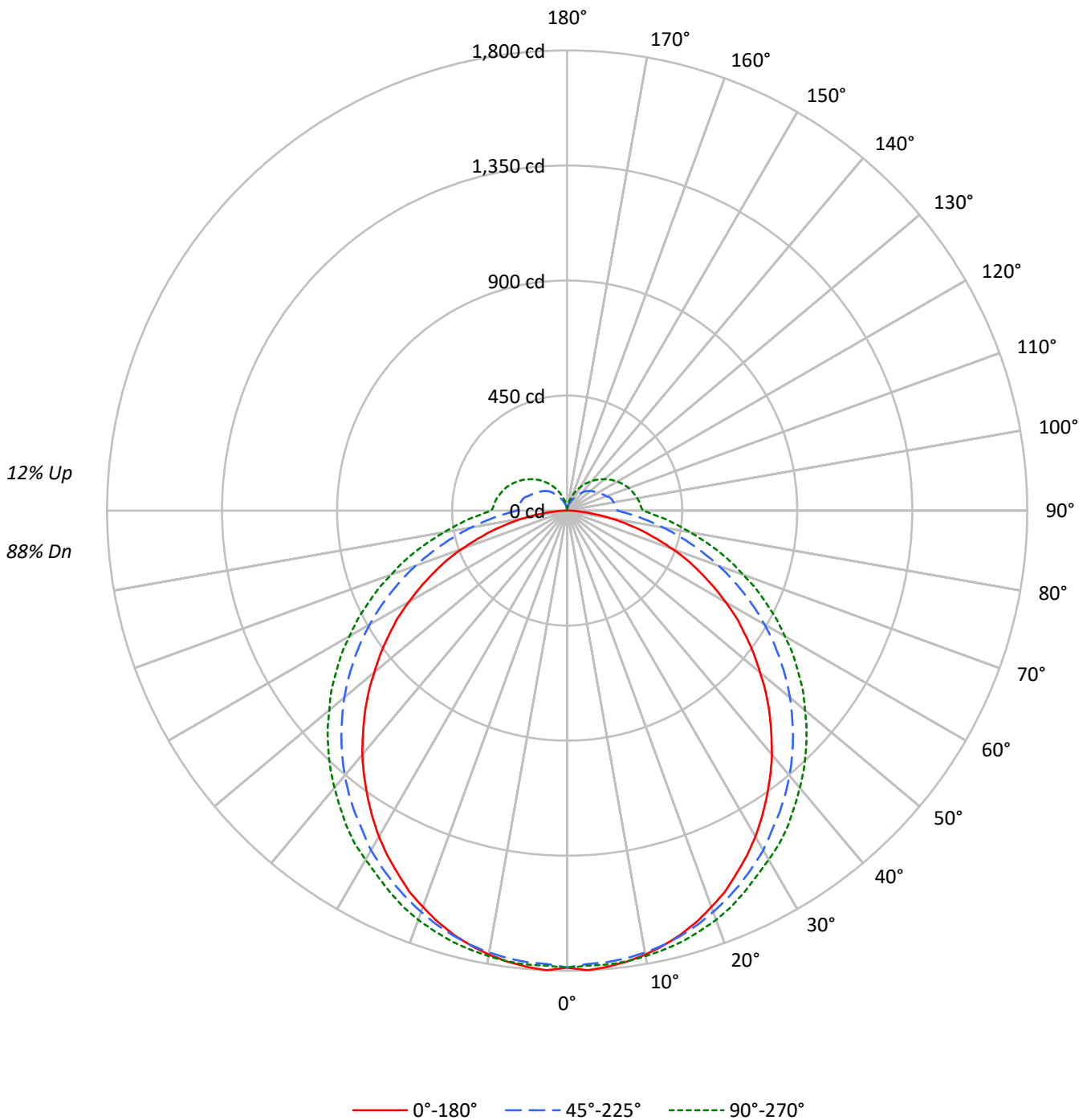
Lumens per Lamp: N/A
Luminaire Lumens: 6435.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 57.9
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

TEST NUMBER: P566890

CATALOG NUMBER: 4SNX-84HL-SLW-UNV-L930-CD

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	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88				
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71				
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58				
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48				
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41				
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35				
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31				
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27				
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21				
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19239	19239	19239
5°	19325	18749	18722
10°	19201	18378	18274
15°	19027	17980	17851
20°	18754	17544	17410
25°	18432	17106	16909
30°	18082	16665	16447
35°	17641	16173	16049
40°	17212	15723	15561
45°	16697	15225	15100
50°	16100	14694	14571
55°	15525	14074	14043
60°	14863	13402	13436
65°	14053	12636	12787
70°	13026	11770	12043
75°	11568	10776	11360
80°	9534	9789	10497
85°	6598	8906	9935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	2.6
10°-20°	488.1	7.6
20°-30°	742.6	11.5
30°-40°	902.9	14.0
40°-50°	955.2	14.8
50°-60°	895.4	13.9
60°-70°	736.6	11.4
70°-80°	509.7	7.9
80°-90°	283.4	4.4
90°-100°	186.7	2.9
100°-110°	167.4	2.6
110°-120°	138.6	2.2
120°-130°	107.1	1.7
130°-140°	75.8	1.2
140°-150°	45.7	0.7
150°-160°	22.0	0.3
160°-170°	7.2	0.1
170°-180°	0.9	0.0
0°-30°	1400.4	21.8
0°-40°	2303.2	35.8
0°-60°	4153.8	64.6
0°-90°	5683.5	88.3
90°-120°	492.7	7.7
90°-150°	721.4	11.2
90°-180°	751.0	11.7
0°-180°	6435.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1787	1787	1787	1787	1787	
5°	1792	1788	1773	1787	1783	170
15°	1717	1722	1721	1744	1744	484
25°	1567	1589	1608	1643	1644	722
35°	1362	1398	1446	1492	1505	852
45°	1120	1178	1250	1306	1321	863
55°	852	928	1017	1081	1103	763
65°	576	659	762	836	860	571
75°	300	387	500	580	612	318
85°	66	164	278	355	386	76
90°	1	93	196	270	296	4
95°	1	88	191	261	286	1
105°	1	76	178	246	268	1
115°	2	66	151	218	242	2
125°	2	56	129	186	209	2
135°	2	44	108	153	172	2
145°	2	32	75	116	130	1
155°	3	22	46	74	86	1
165°	3	14	25	34	44	1
175°	3	6	8	8	4	0
180°	2	2	2	2	2	



TEST NUMBER: P566890

CATALOG NUMBER: 4SNX-84HL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1787.4	1787.4	1787.4	1787.4	1787.4
2.5°	1799.5	1794.0	1775.3	1787.4	1781.9
5°	1791.8	1788.5	1773.1	1787.4	1783.0
7.5°	1779.7	1778.6	1766.5	1783.0	1778.6
10°	1763.2	1765.4	1755.4	1773.1	1769.8
12.5°	1742.2	1745.5	1741.1	1760.9	1758.7
15°	1716.9	1722.4	1721.3	1744.4	1744.4
17.5°	1686.0	1693.7	1698.1	1724.6	1724.6
20°	1649.6	1661.8	1670.6	1699.2	1703.6
22.5°	1613.3	1627.6	1640.8	1670.6	1677.2
25°	1567.0	1589.0	1607.8	1643.0	1644.1
27.5°	1521.8	1546.1	1571.4	1605.6	1608.9
30°	1472.2	1503.1	1533.9	1567.0	1576.9
32.5°	1419.3	1453.5	1487.7	1531.7	1545.0
35°	1362.0	1398.4	1445.8	1492.1	1505.3
37.5°	1304.7	1345.5	1400.6	1448.0	1460.1
40°	1246.3	1291.5	1353.2	1401.7	1416.0
42.5°	1181.3	1236.4	1302.5	1354.3	1370.8
45°	1119.6	1178.0	1249.6	1305.8	1321.3
47.5°	1054.6	1116.3	1193.4	1252.9	1270.6
50°	985.2	1055.7	1138.3	1197.8	1214.4
52.5°	920.1	991.8	1078.8	1140.5	1163.7
55°	851.8	927.9	1017.1	1081.0	1103.1
57.5°	787.9	860.6	956.5	1020.4	1048.0
60°	715.2	795.6	891.5	960.9	983.0
62.5°	646.9	728.4	827.6	899.2	924.6
65°	576.3	659.0	761.5	836.4	859.5
67.5°	510.2	591.8	696.4	770.3	800.0
70°	437.5	523.4	630.3	706.4	731.7
72.5°	365.9	455.1	564.2	645.8	674.4
75°	299.7	386.8	500.3	579.6	611.6
77.5°	235.8	324.0	438.6	520.1	547.7
80°	171.9	264.5	381.3	461.7	488.2
82.5°	113.5	210.5	326.2	406.6	435.3
85°	66.1	164.2	277.7	354.8	385.7
87.5°	28.7	124.5	232.5	308.6	333.9
90°	1.1	92.6	196.2	270.0	296.4
92.5°	1.1	90.4	191.7	264.5	289.8
95°	1.1	88.2	190.6	261.2	286.5
97.5°	1.1	87.1	188.4	259.0	283.2
100°	1.1	83.7	185.1	254.6	278.8
102.5°	1.1	79.3	181.8	250.1	273.3
105°	1.1	76.0	178.5	245.7	267.8
107.5°	1.1	72.7	173.0	240.2	262.3
110°	1.1	69.4	164.2	234.7	256.8



TEST NUMBER: P566890

CATALOG NUMBER: 4SNX-84HL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	68.3	157.6	227.0	250.1
115°	2.2	66.1	151.0	218.2	242.4
117.5°	2.2	65.0	145.5	209.4	234.7
120°	2.2	61.7	140.0	201.7	225.9
122.5°	2.2	58.4	134.4	193.9	218.2
125°	2.2	56.2	128.9	186.2	209.4
127.5°	2.2	52.9	124.5	178.5	199.5
130°	2.2	50.7	119.0	169.7	190.6
132.5°	2.2	47.4	113.5	160.9	180.7
135°	2.2	44.1	108.0	153.2	171.9
137.5°	2.2	39.7	101.4	144.4	162.0
140°	2.2	36.4	92.6	135.5	152.1
142.5°	2.2	34.2	83.7	125.6	141.1
145°	2.2	32.0	74.9	115.7	130.0
147.5°	2.2	29.8	67.2	105.8	119.0
150°	2.2	26.4	59.5	97.0	108.0
152.5°	3.3	24.2	52.9	86.0	97.0
155°	3.3	22.0	46.3	73.8	86.0
157.5°	3.3	19.8	39.7	61.7	74.9
160°	3.3	17.6	34.2	50.7	63.9
162.5°	3.3	16.5	29.8	41.9	54.0
165°	3.3	14.3	25.3	34.2	44.1
167.5°	3.3	11.0	20.9	26.4	36.4
170°	3.3	8.8	16.5	18.7	27.5
172.5°	3.3	6.6	12.1	13.2	14.3
175°	3.3	5.5	7.7	7.7	4.4
177.5°	3.3	4.4	4.4	4.4	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)