

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: P566883

Luminaire Tested: **4SNX-84HL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566883
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-LW-UNV-L935-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

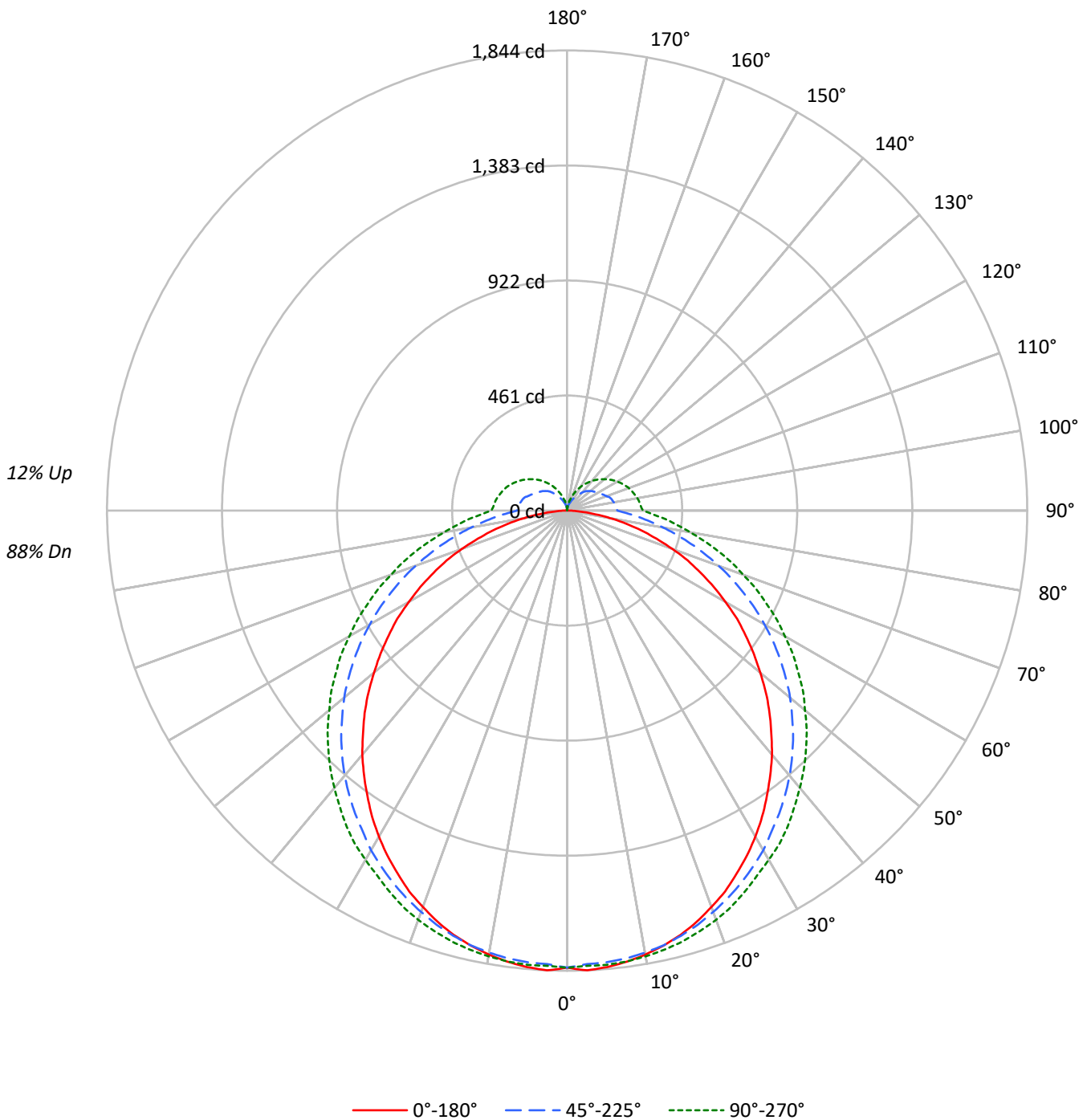
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6594.0 lumens
Efficiency: N/A
Efficacy: 113.9 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: 0.17')
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: P566883
CATALOG NUMBER: 4SNX-84HL-LW-UNV-L935-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	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°	19715	19715	19715
5°	19767	18807	18653
10°	19603	18065	17737
15°	19389	17329	16900
20°	19074	16586	16092
25°	18707	15862	15264
30°	18310	15154	14502
35°	17820	14413	13818
40°	17339	13719	13074
45°	16766	12987	12366
50°	16105	12232	11612
55°	15461	11402	10866
60°	14714	10530	10063
65°	13808	9582	9233
70°	12659	8555	8333
75°	11053	7431	7472
80°	8834	6306	6485
85°	5672	5227	5662



TEST NUMBER: P566883

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	2.6
10°-20°	500.2	7.6
20°-30°	760.9	11.5
30°-40°	925.2	14.0
40°-50°	978.8	14.8
50°-60°	917.5	13.9
60°-70°	754.8	11.4
70°-80°	522.3	7.9
80°-90°	290.4	4.4
90°-100°	191.3	2.9
100°-110°	171.5	2.6
110°-120°	142.0	2.2
120°-130°	109.8	1.7
130°-140°	77.7	1.2
140°-150°	46.9	0.7
150°-160°	22.5	0.3
160°-170°	7.4	0.1
170°-180°	0.9	0.0
0°-30°	1434.9	21.8
0°-40°	2360.1	35.8
0°-60°	4256.5	64.6
0°-90°	5824.0	88.3
90°-120°	504.9	7.7
90°-150°	739.3	11.2
90°-180°	770.0	11.7
0°-180°	6594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1832	1832	1832	1832	1832	
5°	1836	1833	1817	1832	1827	174
15°	1759	1765	1764	1788	1788	496
25°	1606	1628	1648	1684	1685	740
35°	1396	1433	1482	1529	1542	873
45°	1147	1207	1280	1338	1354	884
55°	873	951	1042	1108	1130	781
65°	591	675	780	857	881	586
75°	307	396	513	594	627	326
85°	68	168	285	364	395	78
90°	1	95	201	277	304	4
95°	1	90	195	268	294	1
105°	1	78	183	252	274	1
115°	2	68	155	224	248	2
125°	2	58	132	191	214	2
135°	2	45	111	157	176	2
145°	2	33	77	119	133	1
155°	3	23	47	76	88	2
165°	3	15	26	35	45	1
175°	3	6	8	8	4	0
180°	2	2	2	2	2	



TEST NUMBER: P566883

CATALOG NUMBER: 4SNX-84HL-LW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1831.6	1831.6	1831.6	1831.6	1831.6
2.5°	1844.0	1838.3	1819.1	1831.6	1825.9
5°	1836.1	1832.7	1816.9	1831.6	1827.0
7.5°	1823.7	1822.5	1810.1	1827.0	1822.5
10°	1806.7	1809.0	1798.8	1816.9	1813.5
12.5°	1785.3	1788.6	1784.1	1804.5	1802.2
15°	1759.3	1764.9	1763.8	1787.5	1787.5
17.5°	1727.7	1735.6	1740.1	1767.2	1767.2
20°	1690.4	1702.8	1711.9	1741.2	1745.7
22.5°	1653.1	1667.8	1681.4	1711.9	1718.6
25°	1605.7	1628.3	1647.5	1683.6	1684.8
27.5°	1559.4	1584.3	1610.2	1645.2	1648.6
30°	1508.6	1540.2	1571.8	1605.7	1615.9
32.5°	1454.4	1489.4	1524.4	1569.6	1583.1
35°	1395.7	1433.0	1481.5	1528.9	1542.5
37.5°	1337.0	1378.8	1435.2	1483.8	1496.2
40°	1277.1	1323.4	1386.7	1436.3	1451.0
42.5°	1210.5	1267.0	1334.7	1387.8	1404.7
45°	1147.3	1207.1	1280.5	1338.1	1353.9
47.5°	1080.6	1143.9	1222.9	1283.9	1302.0
50°	1009.5	1081.8	1166.5	1227.4	1244.4
52.5°	942.9	1016.3	1105.5	1168.7	1192.4
55°	872.9	950.8	1042.2	1107.7	1130.3
57.5°	807.4	881.9	980.1	1045.6	1073.9
60°	732.8	815.3	913.5	984.7	1007.2
62.5°	662.8	746.4	848.0	921.4	947.4
65°	590.6	675.3	780.3	857.1	880.8
67.5°	522.8	606.4	713.7	789.3	819.8
70°	448.3	536.4	645.9	723.8	749.8
72.5°	374.9	466.4	578.1	661.7	691.1
75°	307.1	396.3	512.7	594.0	626.7
77.5°	241.6	332.0	449.4	533.0	561.2
80°	176.2	271.0	390.7	473.1	500.2
82.5°	116.3	215.7	334.2	416.7	446.0
85°	67.8	168.3	284.6	363.6	395.2
87.5°	29.4	127.6	238.3	316.2	342.1
90°	1.1	94.9	201.0	276.7	303.8
92.5°	1.1	92.6	196.5	271.0	297.0
95°	1.1	90.3	195.4	267.6	293.6
97.5°	1.1	89.2	193.1	265.4	290.2
100°	1.1	85.8	189.7	260.8	285.7
102.5°	1.1	81.3	186.3	256.3	280.0
105°	1.1	77.9	182.9	251.8	274.4
107.5°	1.1	74.5	177.3	246.2	268.7
110°	1.1	71.1	168.3	240.5	263.1



TEST NUMBER: P566883

CATALOG NUMBER: 4SNX-84HL-LW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	70.0	161.5	232.6	256.3
115°	2.3	67.8	154.7	223.6	248.4
117.5°	2.3	66.6	149.1	214.5	240.5
120°	2.3	63.2	143.4	206.6	231.5
122.5°	2.3	59.8	137.8	198.7	223.6
125°	2.3	57.6	132.1	190.8	214.5
127.5°	2.3	54.2	127.6	182.9	204.4
130°	2.3	51.9	122.0	173.9	195.4
132.5°	2.3	48.6	116.3	164.9	185.2
135°	2.3	45.2	110.7	157.0	176.2
137.5°	2.3	40.7	103.9	147.9	166.0
140°	2.3	37.3	94.9	138.9	155.8
142.5°	2.3	35.0	85.8	128.7	144.5
145°	2.3	32.7	76.8	118.6	133.2
147.5°	2.3	30.5	68.9	108.4	122.0
150°	2.3	27.1	61.0	99.4	110.7
152.5°	3.4	24.8	54.2	88.1	99.4
155°	3.4	22.6	47.4	75.7	88.1
157.5°	3.4	20.3	40.7	63.2	76.8
160°	3.4	18.1	35.0	51.9	65.5
162.5°	3.4	16.9	30.5	42.9	55.3
165°	3.4	14.7	26.0	35.0	45.2
167.5°	3.4	11.3	21.5	27.1	37.3
170°	3.4	9.0	16.9	19.2	28.2
172.5°	3.4	6.8	12.4	13.6	14.7
175°	3.4	5.6	7.9	7.9	4.5
177.5°	3.4	4.5	4.5	4.5	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)