

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: P566795

Luminaire Tested: **4SNX-74HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566795
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-74HL-SLW-UNV-L935-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

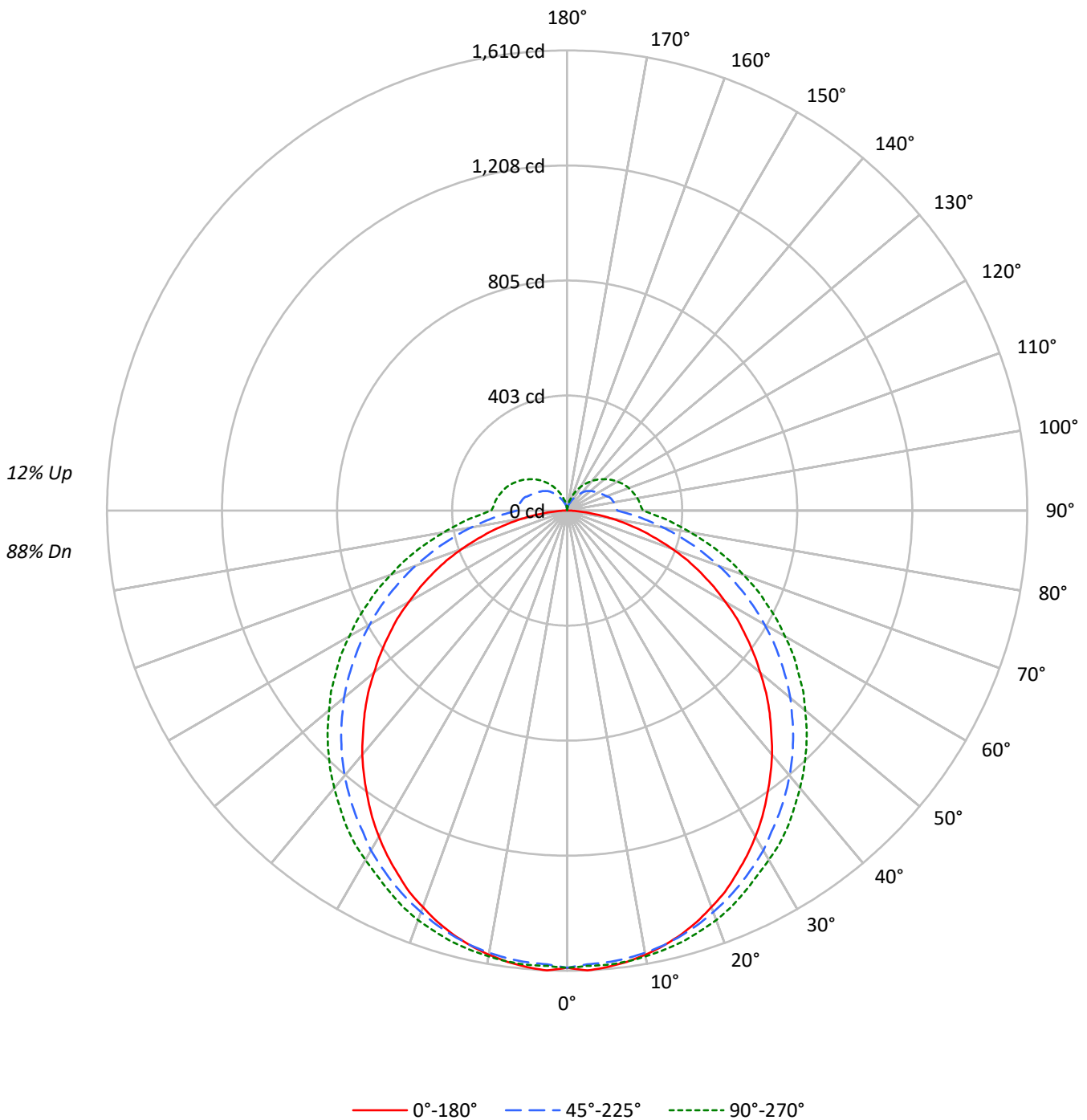
Lumens per Lamp: N/A
Luminaire Lumens: 5759.0 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 51.8
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	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°	17218	17218	17218
5°	17296	16779	16755
10°	17184	16448	16354
15°	17028	16091	15976
20°	16785	15701	15582
25°	16496	15309	15133
30°	16183	14915	14720
35°	15789	14474	14364
40°	15405	14072	13927
45°	14943	13626	13514
50°	14408	13151	13040
55°	13894	12596	12567
60°	13300	11993	12024
65°	12578	11309	11444
70°	11657	10534	10777
75°	10352	9643	10166
80°	8530	8759	9394
85°	5910	7969	8892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	2.6
10°-20°	436.8	7.6
20°-30°	664.5	11.5
30°-40°	808.0	14.0
40°-50°	854.9	14.8
50°-60°	801.3	13.9
60°-70°	659.2	11.4
70°-80°	456.1	7.9
80°-90°	253.6	4.4
90°-100°	167.1	2.9
100°-110°	149.8	2.6
110°-120°	124.0	2.2
120°-130°	95.9	1.7
130°-140°	67.9	1.2
140°-150°	40.9	0.7
150°-160°	19.7	0.3
160°-170°	6.4	0.1
170°-180°	0.8	0.0
0°-30°	1253.2	21.8
0°-40°	2061.3	35.8
0°-60°	3717.5	64.6
0°-90°	5086.4	88.3
90°-120°	441.0	7.7
90°-150°	645.7	11.2
90°-180°	673.0	11.7
0°-180°	5759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1600	1600	1600	1600	1600	
5°	1604	1601	1587	1600	1596	152
15°	1536	1541	1540	1561	1561	433
25°	1402	1422	1439	1470	1471	646
35°	1219	1252	1294	1335	1347	763
45°	1002	1054	1118	1169	1182	772
55°	762	830	910	968	987	682
65°	516	590	682	748	769	511
75°	268	346	448	519	547	285
85°	59	147	248	318	345	68
90°	1	83	176	242	265	4
95°	1	79	171	234	256	1
105°	1	68	160	220	240	1
115°	2	59	135	195	217	2
125°	2	50	115	167	187	2
135°	2	39	97	137	154	2
145°	2	29	67	104	116	1
155°	3	20	41	66	77	1
165°	3	13	23	31	39	1
175°	3	5	7	7	4	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1599.6	1599.6	1599.6	1599.6	1599.6
2.5°	1610.5	1605.5	1588.8	1599.6	1594.7
5°	1603.6	1600.6	1586.8	1599.6	1595.7
7.5°	1592.7	1591.7	1580.9	1595.7	1591.7
10°	1577.9	1579.9	1571.0	1586.8	1583.8
12.5°	1559.2	1562.2	1558.2	1576.0	1574.0
15°	1536.5	1541.4	1540.5	1561.2	1561.2
17.5°	1508.9	1515.8	1519.7	1543.4	1543.4
20°	1476.4	1487.2	1495.1	1520.7	1524.7
22.5°	1443.8	1456.6	1468.5	1495.1	1501.0
25°	1402.4	1422.1	1438.9	1470.4	1471.4
27.5°	1362.0	1383.6	1406.3	1436.9	1439.9
30°	1317.6	1345.2	1372.8	1402.4	1411.3
32.5°	1270.2	1300.8	1331.4	1370.8	1382.7
35°	1219.0	1251.5	1293.9	1335.3	1347.2
37.5°	1167.7	1204.2	1253.5	1295.9	1306.7
40°	1115.4	1155.8	1211.1	1254.5	1267.3
42.5°	1057.2	1106.5	1165.7	1212.0	1226.8
45°	1002.0	1054.3	1118.4	1168.7	1182.5
47.5°	943.8	999.0	1068.1	1121.3	1137.1
50°	881.7	944.8	1018.8	1072.0	1086.8
52.5°	823.5	887.6	965.5	1020.7	1041.4
55°	762.3	830.4	910.3	967.5	987.2
57.5°	705.1	770.2	856.0	913.2	937.9
60°	640.0	712.0	797.8	860.0	879.7
62.5°	578.9	651.9	740.6	804.7	827.4
65°	515.8	589.8	681.5	748.5	769.2
67.5°	456.6	529.6	623.3	689.4	716.0
70°	391.5	468.4	564.1	632.2	654.8
72.5°	327.4	407.3	504.9	577.9	603.6
75°	268.2	346.2	447.7	518.7	547.3
77.5°	211.0	289.9	392.5	465.5	490.1
80°	153.8	236.7	341.2	413.2	436.9
82.5°	101.6	188.4	291.9	363.9	389.6
85°	59.2	146.9	248.5	317.6	345.2
87.5°	25.6	111.4	208.1	276.1	298.8
90°	1.0	82.8	175.5	241.6	265.3
92.5°	1.0	80.9	171.6	236.7	259.4
95°	1.0	78.9	170.6	233.7	256.4
97.5°	1.0	77.9	168.6	231.8	253.5
100°	1.0	75.0	165.7	227.8	249.5
102.5°	1.0	71.0	162.7	223.9	244.6
105°	1.0	68.0	159.8	219.9	239.6
107.5°	1.0	65.1	154.8	215.0	234.7
110°	1.0	62.1	146.9	210.1	229.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	61.1	141.0	203.2	223.9
115°	2.0	59.2	135.1	195.3	217.0
117.5°	2.0	58.2	130.2	187.4	210.1
120°	2.0	55.2	125.2	180.5	202.2
122.5°	2.0	52.3	120.3	173.6	195.3
125°	2.0	50.3	115.4	166.7	187.4
127.5°	2.0	47.3	111.4	159.8	178.5
130°	2.0	45.4	106.5	151.9	170.6
132.5°	2.0	42.4	101.6	144.0	161.7
135°	2.0	39.4	96.6	137.1	153.8
137.5°	2.0	35.5	90.7	129.2	145.0
140°	2.0	32.5	82.8	121.3	136.1
142.5°	2.0	30.6	75.0	112.4	126.2
145°	2.0	28.6	67.1	103.6	116.4
147.5°	2.0	26.6	60.2	94.7	106.5
150°	2.0	23.7	53.3	86.8	96.6
152.5°	3.0	21.7	47.3	76.9	86.8
155°	3.0	19.7	41.4	66.1	76.9
157.5°	3.0	17.8	35.5	55.2	67.1
160°	3.0	15.8	30.6	45.4	57.2
162.5°	3.0	14.8	26.6	37.5	48.3
165°	3.0	12.8	22.7	30.6	39.4
167.5°	3.0	9.9	18.7	23.7	32.5
170°	3.0	7.9	14.8	16.8	24.7
172.5°	3.0	5.9	10.8	11.8	12.8
175°	3.0	4.9	6.9	6.9	3.9
177.5°	3.0	3.9	3.9	3.9	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)