

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: P566783

Luminaire Tested: **4SNX-74HL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566783
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-LW-UNV-L835-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

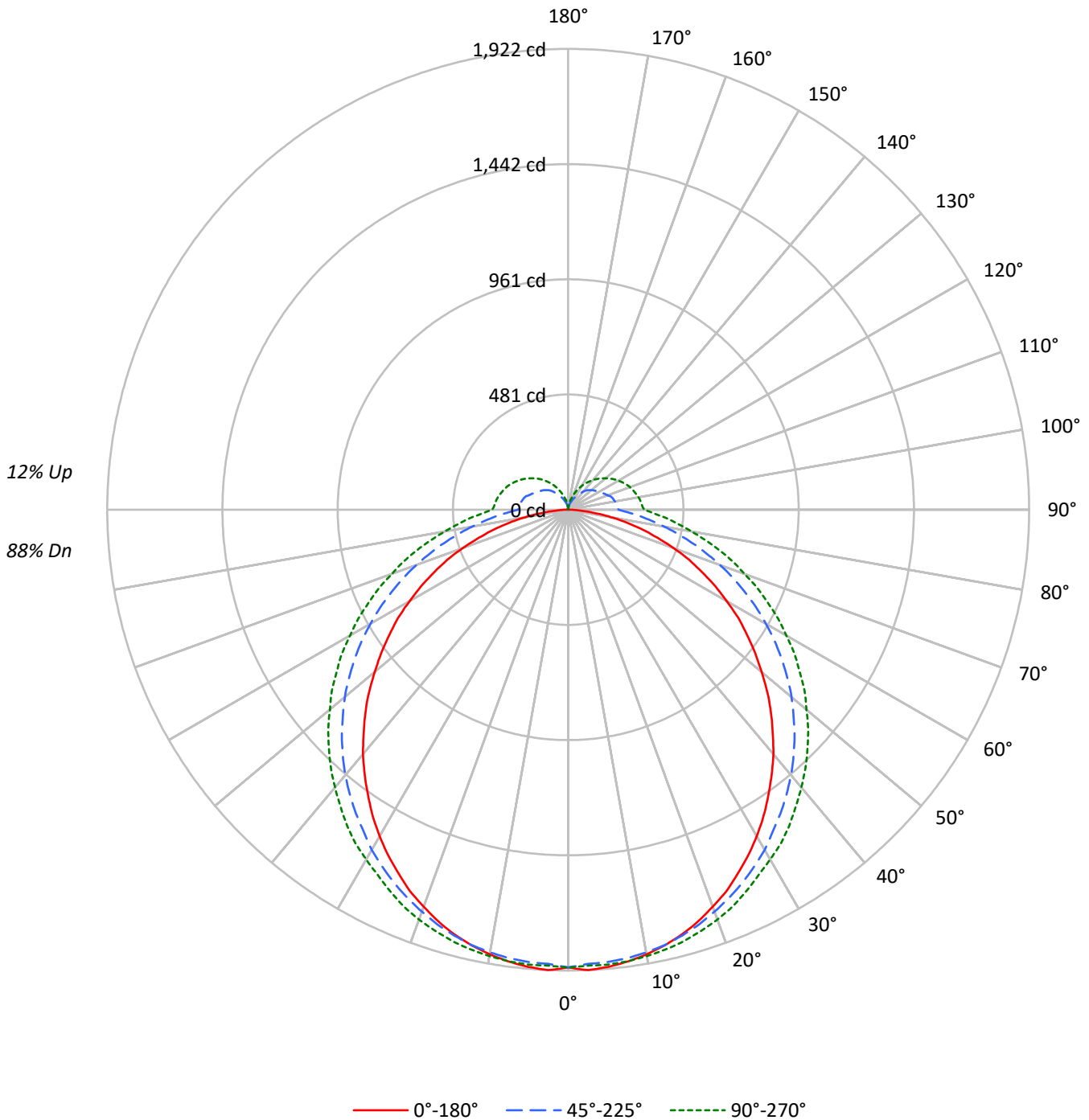
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6873.0 lumens
Efficiency: N/A
Efficacy: 132.7 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): 51.8
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	20549	20549	20549
5°	20604	19604	19442
10°	20433	18830	18487
15°	20208	18062	17616
20°	19881	17287	16773
25°	19499	16533	15910
30°	19084	15795	15116
35°	18573	15023	14402
40°	18073	14299	13628
45°	17475	13537	12889
50°	16786	12749	12103
55°	16115	11885	11326
60°	15338	10976	10490
65°	14393	9987	9623
70°	13196	8916	8686
75°	11521	7744	7788
80°	9205	6572	6760
85°	5906	5447	5901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	2.6
10°-20°	521.3	7.6
20°-30°	793.1	11.5
30°-40°	964.3	14.0
40°-50°	1020.2	14.8
50°-60°	956.3	13.9
60°-70°	786.7	11.4
70°-80°	544.4	7.9
80°-90°	302.7	4.4
90°-100°	199.4	2.9
100°-110°	178.8	2.6
110°-120°	148.0	2.2
120°-130°	114.4	1.7
130°-140°	81.0	1.2
140°-150°	48.9	0.7
150°-160°	23.5	0.3
160°-170°	7.7	0.1
170°-180°	0.9	0.0
0°-30°	1495.7	21.8
0°-40°	2460.0	35.8
0°-60°	4436.6	64.6
0°-90°	6070.4	88.3
90°-120°	526.3	7.7
90°-150°	770.6	11.2
90°-180°	803.0	11.7
0°-180°	6873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1914	1910	1894	1909	1904	182
15°	1834	1840	1838	1863	1863	517
25°	1674	1697	1717	1755	1756	771
35°	1455	1494	1544	1594	1608	910
45°	1196	1258	1335	1395	1411	922
55°	910	991	1086	1155	1178	814
65°	616	704	813	893	918	610
75°	320	413	534	619	653	340
85°	71	175	297	379	412	81
90°	1	99	210	288	317	5
95°	1	94	204	279	306	1
105°	1	81	191	262	286	1
115°	2	71	161	233	259	2
125°	2	60	138	199	224	2
135°	2	47	115	164	184	2
145°	2	34	80	124	139	2
155°	4	24	49	79	92	2
165°	4	15	27	36	47	1
175°	4	6	8	8	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1909.1	1909.1	1909.1	1909.1	1909.1
2.5°	1922.0	1916.1	1896.1	1909.1	1903.2
5°	1913.8	1910.2	1893.8	1909.1	1904.3
7.5°	1900.8	1899.6	1886.7	1904.3	1899.6
10°	1883.2	1885.5	1874.9	1893.8	1890.2
12.5°	1860.8	1864.3	1859.6	1880.8	1878.5
15°	1833.7	1839.6	1838.4	1863.2	1863.2
17.5°	1800.8	1809.0	1813.7	1842.0	1842.0
20°	1761.9	1774.9	1784.3	1814.9	1819.6
22.5°	1723.1	1738.4	1752.5	1784.3	1791.4
25°	1673.7	1697.2	1717.2	1754.9	1756.0
27.5°	1625.4	1651.3	1678.4	1714.9	1718.4
30°	1572.4	1605.4	1638.3	1673.7	1684.3
32.5°	1515.9	1552.4	1588.9	1636.0	1650.1
35°	1454.7	1493.6	1544.2	1593.6	1607.7
37.5°	1393.5	1437.1	1495.9	1546.5	1559.5
40°	1331.2	1379.4	1445.3	1497.1	1512.4
42.5°	1261.7	1320.6	1391.2	1446.5	1464.2
45°	1195.8	1258.2	1334.7	1394.7	1411.2
47.5°	1126.4	1192.3	1274.7	1338.2	1357.1
50°	1052.2	1127.5	1215.8	1279.4	1297.0
52.5°	982.8	1059.3	1152.3	1218.2	1242.9
55°	909.8	991.0	1086.3	1154.6	1178.2
57.5°	841.5	919.2	1021.6	1089.9	1119.3
60°	763.9	849.8	952.2	1026.3	1049.9
62.5°	690.9	778.0	883.9	960.4	987.5
65°	615.6	703.8	813.3	893.3	918.0
67.5°	544.9	632.0	743.8	822.7	854.5
70°	467.3	559.1	673.2	754.4	781.5
72.5°	390.8	486.1	602.6	689.7	720.3
75°	320.1	413.1	534.3	619.1	653.2
77.5°	251.9	346.0	468.4	555.5	585.0
80°	183.6	282.5	407.2	493.2	521.4
82.5°	121.2	224.8	348.4	434.3	464.9
85°	70.6	175.4	296.6	379.0	411.9
87.5°	30.6	133.0	248.3	329.6	356.6
90°	1.2	98.9	209.5	288.4	316.6
92.5°	1.2	96.5	204.8	282.5	309.5
95°	1.2	94.2	203.6	278.9	306.0
97.5°	1.2	93.0	201.3	276.6	302.5
100°	1.2	89.5	197.7	271.9	297.8
102.5°	1.2	84.7	194.2	267.2	291.9
105°	1.2	81.2	190.7	262.5	286.0
107.5°	1.2	77.7	184.8	256.6	280.1
110°	1.2	74.1	175.4	250.7	274.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	73.0	168.3	242.5	267.2
115°	2.4	70.6	161.2	233.0	258.9
117.5°	2.4	69.4	155.4	223.6	250.7
120°	2.4	65.9	149.5	215.4	241.3
122.5°	2.4	62.4	143.6	207.1	233.0
125°	2.4	60.0	137.7	198.9	223.6
127.5°	2.4	56.5	133.0	190.7	213.0
130°	2.4	54.1	127.1	181.3	203.6
132.5°	2.4	50.6	121.2	171.8	193.0
135°	2.4	47.1	115.3	163.6	183.6
137.5°	2.4	42.4	108.3	154.2	173.0
140°	2.4	38.8	98.9	144.8	162.4
142.5°	2.4	36.5	89.5	134.2	150.7
145°	2.4	34.1	80.0	123.6	138.9
147.5°	2.4	31.8	71.8	113.0	127.1
150°	2.4	28.2	63.6	103.6	115.3
152.5°	3.5	25.9	56.5	91.8	103.6
155°	3.5	23.5	49.4	78.9	91.8
157.5°	3.5	21.2	42.4	65.9	80.0
160°	3.5	18.8	36.5	54.1	68.3
162.5°	3.5	17.7	31.8	44.7	57.7
165°	3.5	15.3	27.1	36.5	47.1
167.5°	3.5	11.8	22.4	28.2	38.8
170°	3.5	9.4	17.7	20.0	29.4
172.5°	3.5	7.1	12.9	14.1	15.3
175°	3.5	5.9	8.2	8.2	4.7
177.5°	3.5	4.7	4.7	4.7	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)