

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: P566791

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566791
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-L835-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

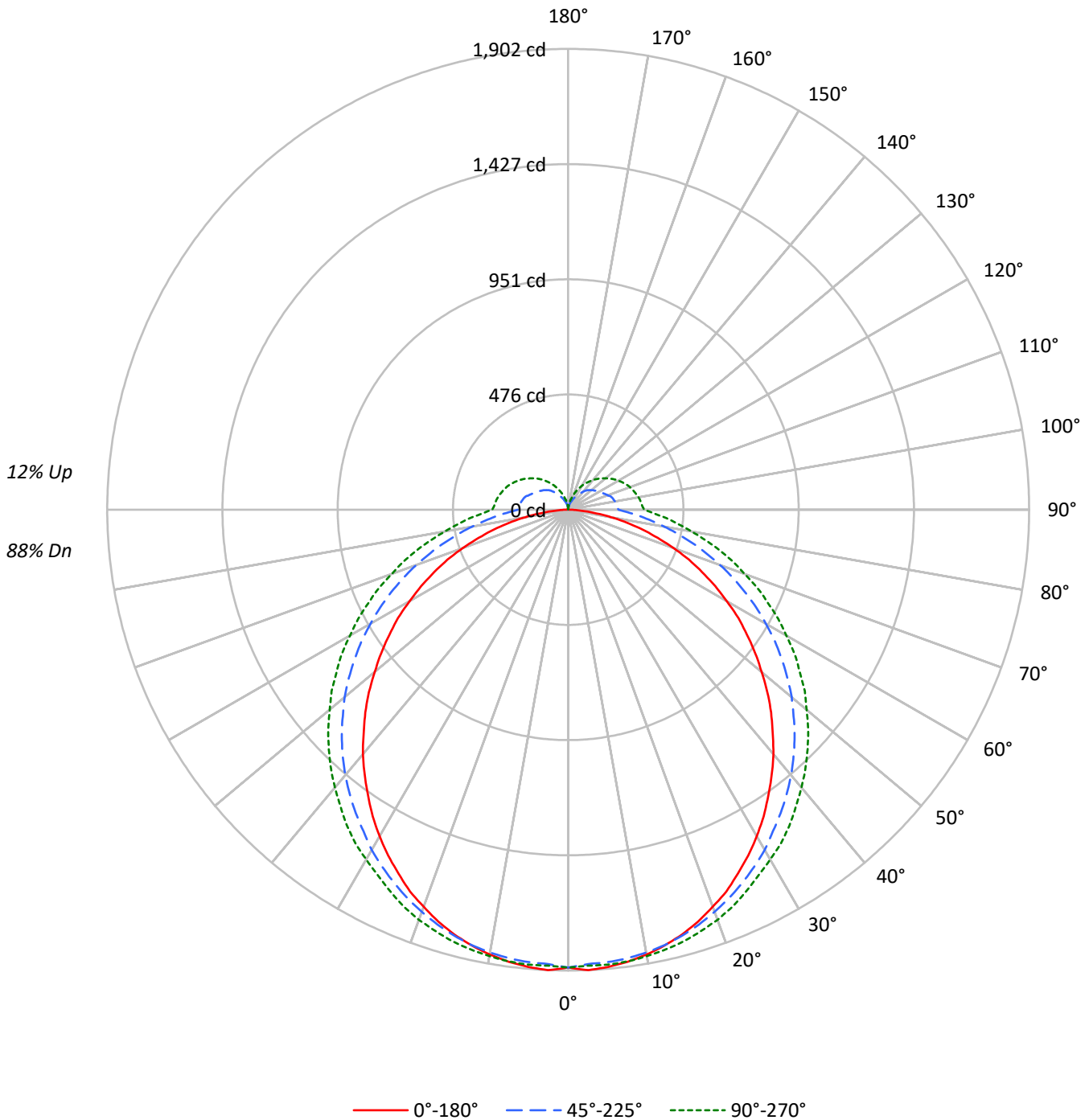
Lumens per Lamp: N/A
Luminaire Lumens: 6803.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 51.8
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P566791

CATALOG NUMBER: 4SNX-74HL-SLW-UNV-L835-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°	20339	20339	20339
5°	20431	19821	19793
10°	20299	19429	19319
15°	20115	19008	18872
20°	19827	18546	18407
25°	19486	18083	17876
30°	19116	17619	17388
35°	18650	17099	16967
40°	18197	16623	16452
45°	17651	16096	15963
50°	17020	15534	15404
55°	16413	14879	14846
60°	15712	14169	14204
65°	14857	13358	13519
70°	13771	12444	12732
75°	12232	11392	12010
80°	10077	10348	11097
85°	6978	9416	10501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	2.6
10°-20°	516.0	7.6
20°-30°	785.0	11.5
30°-40°	954.5	14.0
40°-50°	1009.8	14.8
50°-60°	946.6	13.9
60°-70°	778.7	11.4
70°-80°	538.8	7.9
80°-90°	299.6	4.4
90°-100°	197.4	2.9
100°-110°	177.0	2.6
110°-120°	146.5	2.2
120°-130°	113.2	1.7
130°-140°	80.2	1.2
140°-150°	48.4	0.7
150°-160°	23.2	0.3
160°-170°	7.6	0.1
170°-180°	0.9	0.0
0°-30°	1480.4	21.8
0°-40°	2434.9	35.8
0°-60°	4391.4	64.6
0°-90°	6008.6	88.3
90°-120°	520.9	7.7
90°-150°	762.7	11.2
90°-180°	794.0	11.7
0°-180°	6803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1890	1890	1890	1890	1890	
5°	1894	1891	1874	1890	1885	180
15°	1815	1821	1820	1844	1844	512
25°	1657	1680	1700	1737	1738	764
35°	1440	1478	1528	1577	1591	901
45°	1184	1245	1321	1380	1397	912
55°	900	981	1075	1143	1166	806
65°	609	697	805	884	909	604
75°	317	409	529	613	647	336
85°	70	174	294	375	408	80
90°	1	98	207	285	313	5
95°	1	93	202	276	303	1
105°	1	80	189	260	283	1
115°	2	70	160	231	256	2
125°	2	59	136	197	221	2
135°	2	47	114	162	182	2
145°	2	34	79	122	138	1
155°	4	23	49	78	91	2
165°	4	15	27	36	47	1
175°	4	6	8	8	5	0
180°	2	2	2	2	2	



TEST NUMBER: P566791

CATALOG NUMBER: 4SNX-74HL-SLW-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1889.6	1889.6	1889.6	1889.6	1889.6
2.5°	1902.4	1896.6	1876.8	1889.6	1883.8
5°	1894.3	1890.8	1874.5	1889.6	1885.0
7.5°	1881.5	1880.3	1867.5	1885.0	1880.3
10°	1864.0	1866.3	1855.8	1874.5	1871.0
12.5°	1841.8	1845.3	1840.7	1861.7	1859.3
15°	1815.1	1820.9	1819.7	1844.2	1844.2
17.5°	1782.4	1790.6	1795.2	1823.2	1823.2
20°	1744.0	1756.8	1766.1	1796.4	1801.1
22.5°	1705.5	1720.7	1734.7	1766.1	1773.1
25°	1656.6	1679.9	1699.7	1737.0	1738.2
27.5°	1608.8	1634.5	1661.3	1697.4	1700.9
30°	1556.4	1589.0	1621.7	1656.6	1667.1
32.5°	1500.5	1536.6	1572.7	1619.3	1633.3
35°	1439.9	1478.4	1528.5	1577.4	1591.4
37.5°	1379.3	1422.5	1480.7	1530.8	1543.6
40°	1317.6	1365.4	1430.6	1481.9	1497.0
42.5°	1248.9	1307.1	1377.0	1431.8	1449.2
45°	1183.6	1245.4	1321.1	1380.5	1396.8
47.5°	1114.9	1180.1	1261.7	1324.6	1343.2
50°	1041.5	1116.1	1203.4	1266.3	1283.8
52.5°	972.8	1048.5	1140.5	1205.8	1230.2
55°	900.5	980.9	1075.3	1142.9	1166.2
57.5°	833.0	909.9	1011.2	1078.8	1107.9
60°	756.1	841.1	942.5	1015.9	1039.2
62.5°	683.8	770.1	874.9	950.6	977.4
65°	609.3	696.7	805.0	884.2	908.7
67.5°	539.4	625.6	736.3	814.3	845.8
70°	462.5	553.4	666.4	746.8	773.6
72.5°	386.8	481.1	596.5	682.7	713.0
75°	316.9	408.9	528.9	612.8	646.6
77.5°	249.3	342.5	463.7	549.9	579.0
80°	181.7	279.6	403.1	488.1	516.1
82.5°	120.0	222.5	344.8	429.9	460.2
85°	69.9	173.6	293.6	375.1	407.7
87.5°	30.3	131.6	245.8	326.2	353.0
90°	1.2	97.9	207.4	285.4	313.4
92.5°	1.2	95.5	202.7	279.6	306.4
95°	1.2	93.2	201.5	276.1	302.9
97.5°	1.2	92.0	199.2	273.8	299.4
100°	1.2	88.5	195.7	269.1	294.7
102.5°	1.2	83.9	192.2	264.5	288.9
105°	1.2	80.4	188.7	259.8	283.1
107.5°	1.2	76.9	182.9	254.0	277.3
110°	1.2	73.4	173.6	248.1	271.4



TEST NUMBER: P566791

CATALOG NUMBER: 4SNX-74HL-SLW-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	72.2	166.6	240.0	264.5
115°	2.3	69.9	159.6	230.7	256.3
117.5°	2.3	68.7	153.8	221.3	248.1
120°	2.3	65.2	148.0	213.2	238.8
122.5°	2.3	61.7	142.1	205.0	230.7
125°	2.3	59.4	136.3	196.9	221.3
127.5°	2.3	55.9	131.6	188.7	210.9
130°	2.3	53.6	125.8	179.4	201.5
132.5°	2.3	50.1	120.0	170.1	191.1
135°	2.3	46.6	114.2	161.9	181.7
137.5°	2.3	41.9	107.2	152.6	171.3
140°	2.3	38.4	97.9	143.3	160.8
142.5°	2.3	36.1	88.5	132.8	149.1
145°	2.3	33.8	79.2	122.3	137.5
147.5°	2.3	31.5	71.1	111.8	125.8
150°	2.3	28.0	62.9	102.5	114.2
152.5°	3.5	25.6	55.9	90.9	102.5
155°	3.5	23.3	48.9	78.1	90.9
157.5°	3.5	21.0	41.9	65.2	79.2
160°	3.5	18.6	36.1	53.6	67.6
162.5°	3.5	17.5	31.5	44.3	57.1
165°	3.5	15.1	26.8	36.1	46.6
167.5°	3.5	11.6	22.1	28.0	38.4
170°	3.5	9.3	17.5	19.8	29.1
172.5°	3.5	7.0	12.8	14.0	15.1
175°	3.5	5.8	8.2	8.2	4.7
177.5°	3.5	4.7	4.7	4.7	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)