

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: P566892

Luminaire Tested: **4SNX-84HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566892
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-L940-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

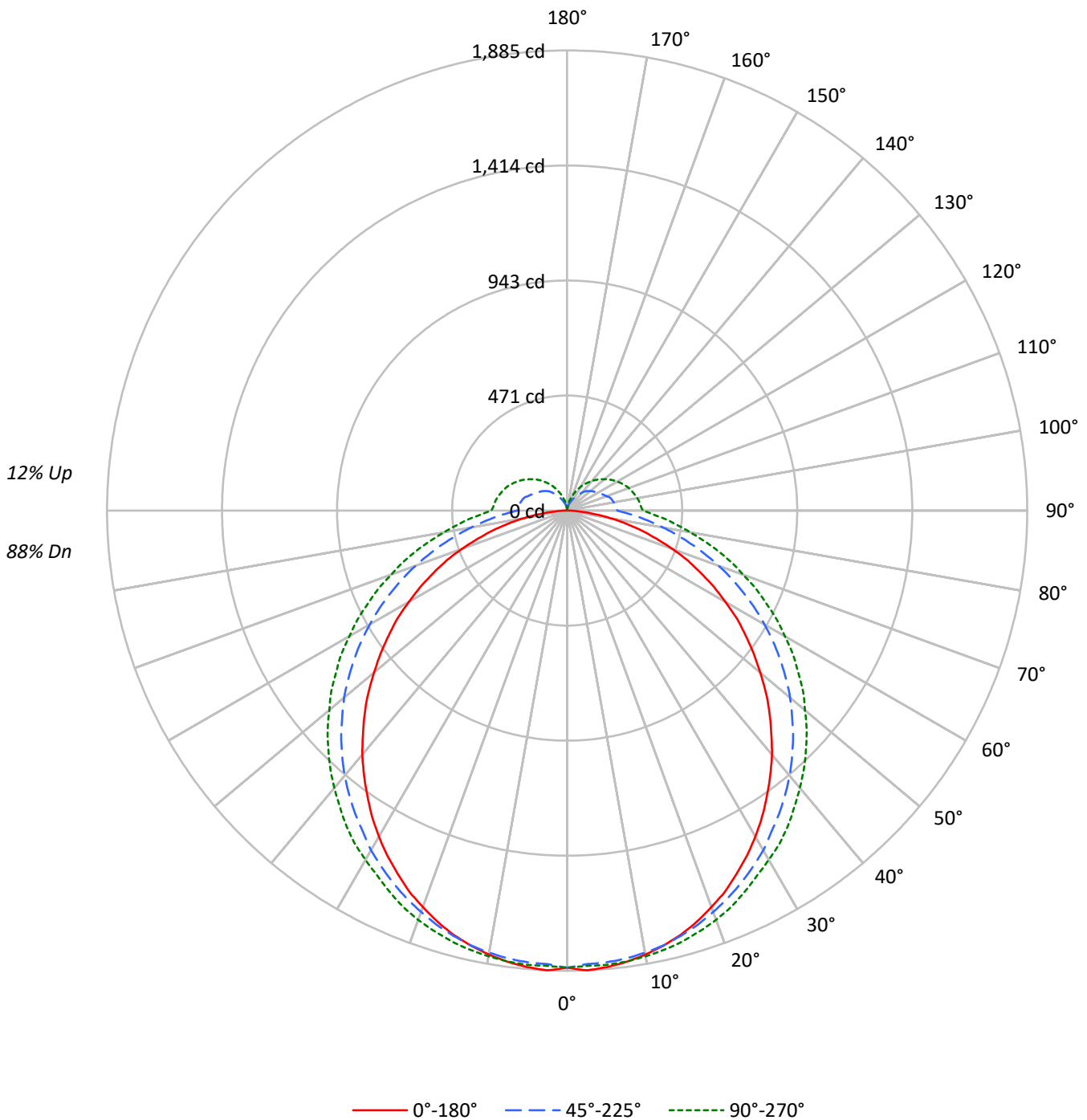
Lumens per Lamp: N/A
Luminaire Lumens: 6741.0 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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

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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°	20154	20154	20154
5°	20244	19641	19612
10°	20114	19252	19142
15°	19931	18834	18700
20°	19647	18377	18239
25°	19309	17919	17713
30°	18941	17458	17229
35°	18480	16942	16813
40°	18031	16472	16302
45°	17490	15949	15818
50°	16865	15393	15263
55°	16263	14743	14710
60°	15569	14039	14074
65°	14721	13237	13396
70°	13645	12330	12616
75°	12120	11288	11901
80°	9988	10253	10996
85°	6918	9329	10406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.8	2.6
10°-20°	511.3	7.6
20°-30°	777.9	11.5
30°-40°	945.8	14.0
40°-50°	1000.6	14.8
50°-60°	938.0	13.9
60°-70°	771.6	11.4
70°-80°	533.9	7.9
80°-90°	296.9	4.4
90°-100°	195.6	2.9
100°-110°	175.4	2.6
110°-120°	145.2	2.2
120°-130°	112.2	1.7
130°-140°	79.4	1.2
140°-150°	47.9	0.7
150°-160°	23.0	0.3
160°-170°	7.5	0.1
170°-180°	0.9	0.0
0°-30°	1466.9	21.8
0°-40°	2412.8	35.8
0°-60°	4351.4	64.6
0°-90°	5953.8	88.3
90°-120°	516.2	7.7
90°-150°	755.8	11.2
90°-180°	787.0	11.7
0°-180°	6741.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1877	1874	1857	1872	1868	178
15°	1798	1804	1803	1827	1827	507
25°	1642	1665	1684	1721	1722	757
35°	1427	1465	1514	1563	1577	893
45°	1173	1234	1309	1368	1384	904
55°	892	972	1066	1132	1156	799
65°	604	690	798	876	900	599
75°	314	405	524	607	641	333
85°	69	172	291	372	404	80
90°	1	97	206	283	310	5
95°	1	92	200	274	300	1
105°	1	80	187	257	280	1
115°	2	69	158	229	254	2
125°	2	59	135	195	219	2
135°	2	46	113	160	180	2
145°	2	34	78	121	136	1
155°	4	23	48	77	90	2
165°	4	15	27	36	46	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°	1872.4	1872.4	1872.4	1872.4	1872.4
2.5°	1885.1	1879.3	1859.7	1872.4	1866.6
5°	1877.0	1873.5	1857.4	1872.4	1867.8
7.5°	1864.3	1863.2	1850.5	1867.8	1863.2
10°	1847.0	1849.3	1838.9	1857.4	1853.9
12.5°	1825.1	1828.5	1823.9	1844.7	1842.4
15°	1798.5	1804.3	1803.1	1827.4	1827.4
17.5°	1766.2	1774.3	1778.9	1806.6	1806.6
20°	1728.1	1740.8	1750.0	1780.0	1784.7
22.5°	1690.0	1705.0	1718.9	1750.0	1757.0
25°	1641.5	1664.6	1684.2	1721.2	1722.3
27.5°	1594.2	1619.6	1646.1	1681.9	1685.4
30°	1542.2	1574.6	1606.9	1641.5	1651.9
32.5°	1486.8	1522.6	1558.4	1604.6	1618.4
35°	1426.8	1464.9	1514.5	1563.0	1576.9
37.5°	1366.8	1409.5	1467.2	1516.8	1529.5
40°	1305.6	1352.9	1417.6	1468.4	1483.4
42.5°	1237.5	1295.2	1364.5	1418.7	1436.0
45°	1172.8	1234.0	1309.1	1367.9	1384.1
47.5°	1104.7	1169.4	1250.2	1312.5	1331.0
50°	1032.0	1105.9	1192.5	1254.8	1272.1
52.5°	963.9	1038.9	1130.1	1194.8	1219.0
55°	892.3	972.0	1065.5	1132.4	1155.5
57.5°	825.4	901.6	1002.0	1068.9	1097.8
60°	749.2	833.5	933.9	1006.6	1029.7
62.5°	677.6	763.0	866.9	942.0	968.5
65°	603.7	690.3	797.7	876.2	900.4
67.5°	534.5	619.9	729.6	806.9	838.1
70°	458.3	548.3	660.3	740.0	766.5
72.5°	383.3	476.8	591.0	676.5	706.5
75°	314.0	405.2	524.1	607.2	640.7
77.5°	247.0	339.4	459.4	544.9	573.7
80°	180.1	277.0	399.4	483.7	511.4
82.5°	118.9	220.5	341.7	426.0	456.0
85°	69.3	172.0	290.9	371.7	404.0
87.5°	30.0	130.4	243.6	323.2	349.8
90°	1.2	97.0	205.5	282.8	310.5
92.5°	1.2	94.7	200.9	277.0	303.6
95°	1.2	92.3	199.7	273.6	300.1
97.5°	1.2	91.2	197.4	271.3	296.7
100°	1.2	87.7	193.9	266.7	292.1
102.5°	1.2	83.1	190.5	262.0	286.3
105°	1.2	79.7	187.0	257.4	280.5
107.5°	1.2	76.2	181.2	251.7	274.7
110°	1.2	72.7	172.0	245.9	269.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	71.6	165.1	237.8	262.0
115°	2.3	69.3	158.1	228.6	254.0
117.5°	2.3	68.1	152.4	219.3	245.9
120°	2.3	64.6	146.6	211.2	236.6
122.5°	2.3	61.2	140.8	203.2	228.6
125°	2.3	58.9	135.1	195.1	219.3
127.5°	2.3	55.4	130.4	187.0	208.9
130°	2.3	53.1	124.7	177.8	199.7
132.5°	2.3	49.6	118.9	168.5	189.3
135°	2.3	46.2	113.1	160.5	180.1
137.5°	2.3	41.6	106.2	151.2	169.7
140°	2.3	38.1	97.0	142.0	159.3
142.5°	2.3	35.8	87.7	131.6	147.8
145°	2.3	33.5	78.5	121.2	136.2
147.5°	2.3	31.2	70.4	110.8	124.7
150°	2.3	27.7	62.3	101.6	113.1
152.5°	3.5	25.4	55.4	90.0	101.6
155°	3.5	23.1	48.5	77.3	90.0
157.5°	3.5	20.8	41.6	64.6	78.5
160°	3.5	18.5	35.8	53.1	67.0
162.5°	3.5	17.3	31.2	43.9	56.6
165°	3.5	15.0	26.6	35.8	46.2
167.5°	3.5	11.5	21.9	27.7	38.1
170°	3.5	9.2	17.3	19.6	28.9
172.5°	3.5	6.9	12.7	13.9	15.0
175°	3.5	5.8	8.1	8.1	4.6
177.5°	3.5	4.6	4.6	4.6	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)