

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: P565829

Luminaire Tested: **2SNX-47HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-47HL-UNV-L850-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

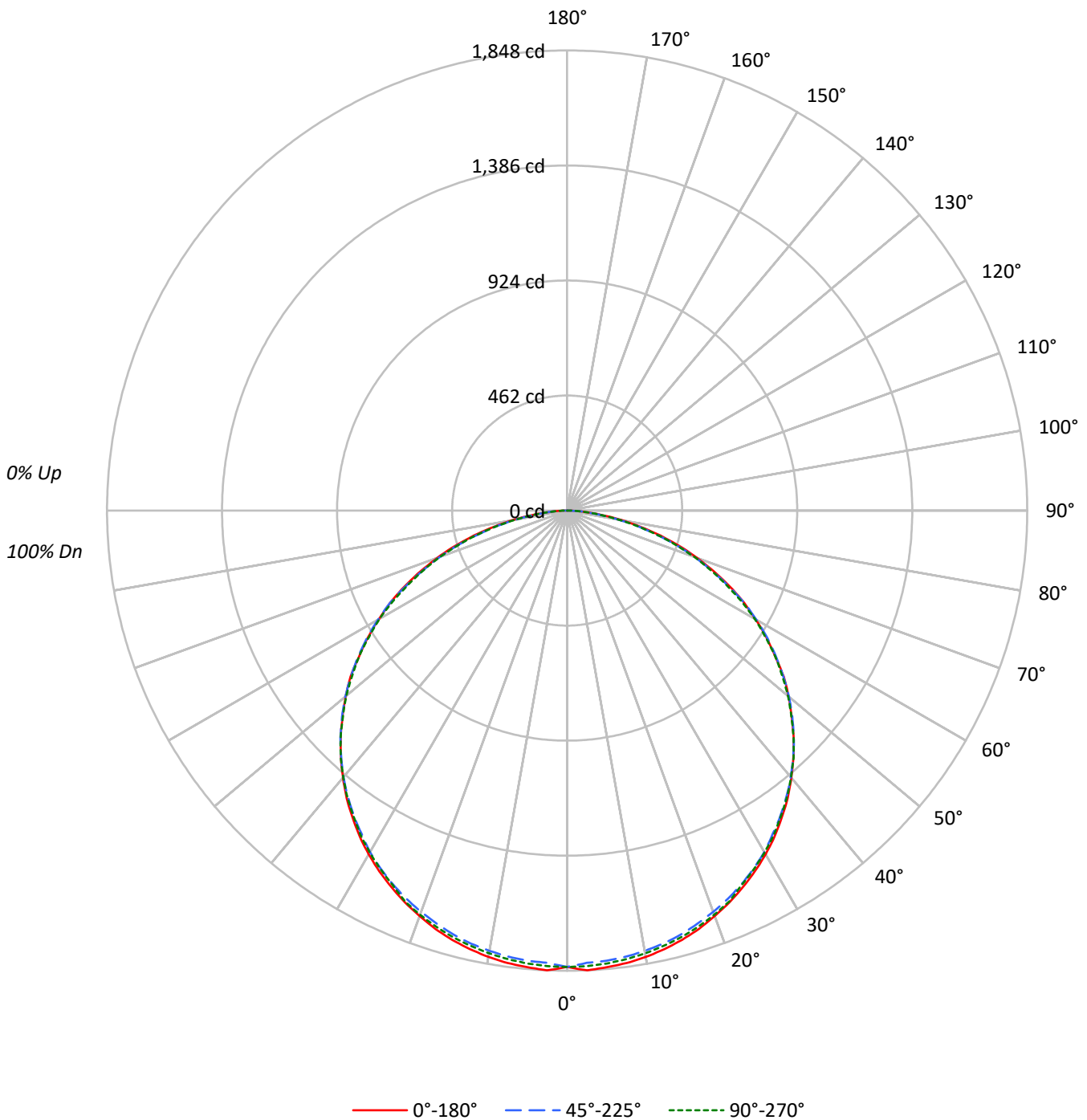
Lumens per Lamp: N/A
Luminaire Lumens: 5486.0 lumens
Efficiency: N/A
Efficacy: 162.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39454	39454	39454
5°	39771	39218	39453
10°	39792	39250	39468
15°	39774	39290	39515
20°	39693	39285	39569
25°	39644	39333	39407
30°	39619	39368	39408
35°	39521	39276	39339
40°	39363	39276	39299
45°	39149	39219	39149
50°	38883	38964	38756
55°	38280	38482	38280
60°	37635	37803	37467
65°	36702	36269	35871
70°	34952	34172	34077
75°	32256	30709	30834
80°	27597	25861	26344
85°	20501	20106	18772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	3.2
10°-20°	501.1	9.1
20°-30°	767.2	14.0
30°-40°	938.5	17.1
40°-50°	992.6	18.1
50°-60°	914.6	16.7
60°-70°	703.9	12.8
70°-80°	395.5	7.2
80°-90°	98.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1442.2	26.3
0°-40°	2380.7	43.4
0°-60°	4287.9	78.2
0°-90°	5486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1833	1833	1833	1833	1833	
5°	1840	1835	1815	1831	1826	175
15°	1785	1780	1763	1778	1773	504
25°	1669	1668	1656	1668	1659	770
35°	1504	1502	1494	1502	1497	941
45°	1286	1290	1288	1285	1286	992
55°	1020	1029	1025	1022	1020	913
65°	720	722	712	702	704	711
75°	388	382	369	364	371	408
85°	83	81	81	79	76	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1832.7	1832.7	1832.7	1832.7	1832.7
2.5°	1848.2	1838.1	1817.9	1835.8	1831.1
5°	1840.4	1835.0	1814.8	1831.1	1825.7
7.5°	1832.7	1826.5	1807.1	1824.9	1817.2
10°	1820.3	1814.8	1795.5	1812.5	1805.5
12.5°	1804.0	1799.3	1781.5	1797.8	1790.8
15°	1784.6	1779.9	1762.9	1778.4	1773.0
17.5°	1761.3	1755.9	1739.6	1755.9	1752.0
20°	1732.6	1729.5	1714.8	1729.5	1727.2
22.5°	1703.2	1699.3	1687.7	1698.5	1699.3
25°	1669.0	1667.5	1655.9	1667.5	1659.0
27.5°	1633.4	1633.4	1621.7	1629.5	1624.1
30°	1593.8	1593.0	1583.7	1587.6	1585.3
32.5°	1551.2	1550.4	1538.0	1548.0	1544.2
35°	1503.8	1501.5	1494.5	1501.5	1496.9
37.5°	1455.0	1452.7	1447.2	1451.1	1450.3
40°	1400.7	1400.7	1397.6	1400.7	1398.4
42.5°	1344.8	1347.2	1343.3	1346.4	1346.4
45°	1285.9	1289.8	1288.2	1285.1	1285.9
47.5°	1223.1	1230.1	1226.2	1225.4	1221.5
50°	1161.0	1167.2	1163.4	1159.5	1157.2
52.5°	1096.7	1099.8	1095.1	1093.6	1088.1
55°	1019.9	1029.2	1025.3	1022.2	1019.9
57.5°	949.3	956.3	953.2	947.0	943.1
60°	874.1	879.5	878.0	871.0	870.2
62.5°	800.4	801.9	800.4	788.0	788.8
65°	720.5	722.1	712.0	701.9	704.2
67.5°	636.7	641.4	627.4	612.7	622.8
70°	555.3	553.8	542.9	526.6	541.4
72.5°	471.6	470.0	457.6	446.0	456.0
75°	387.8	381.6	369.2	363.7	370.7
77.5°	300.9	293.9	288.5	284.6	287.7
80°	222.6	213.3	208.6	205.5	212.5
82.5°	148.1	141.2	138.8	141.2	139.6
85°	83.0	81.4	81.4	79.1	76.0
87.5°	34.1	35.7	36.5	35.7	34.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)