

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: P566805

Luminaire Tested: **4SNX-74HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566805
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: 4SNX-74HL-UNV-L950-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

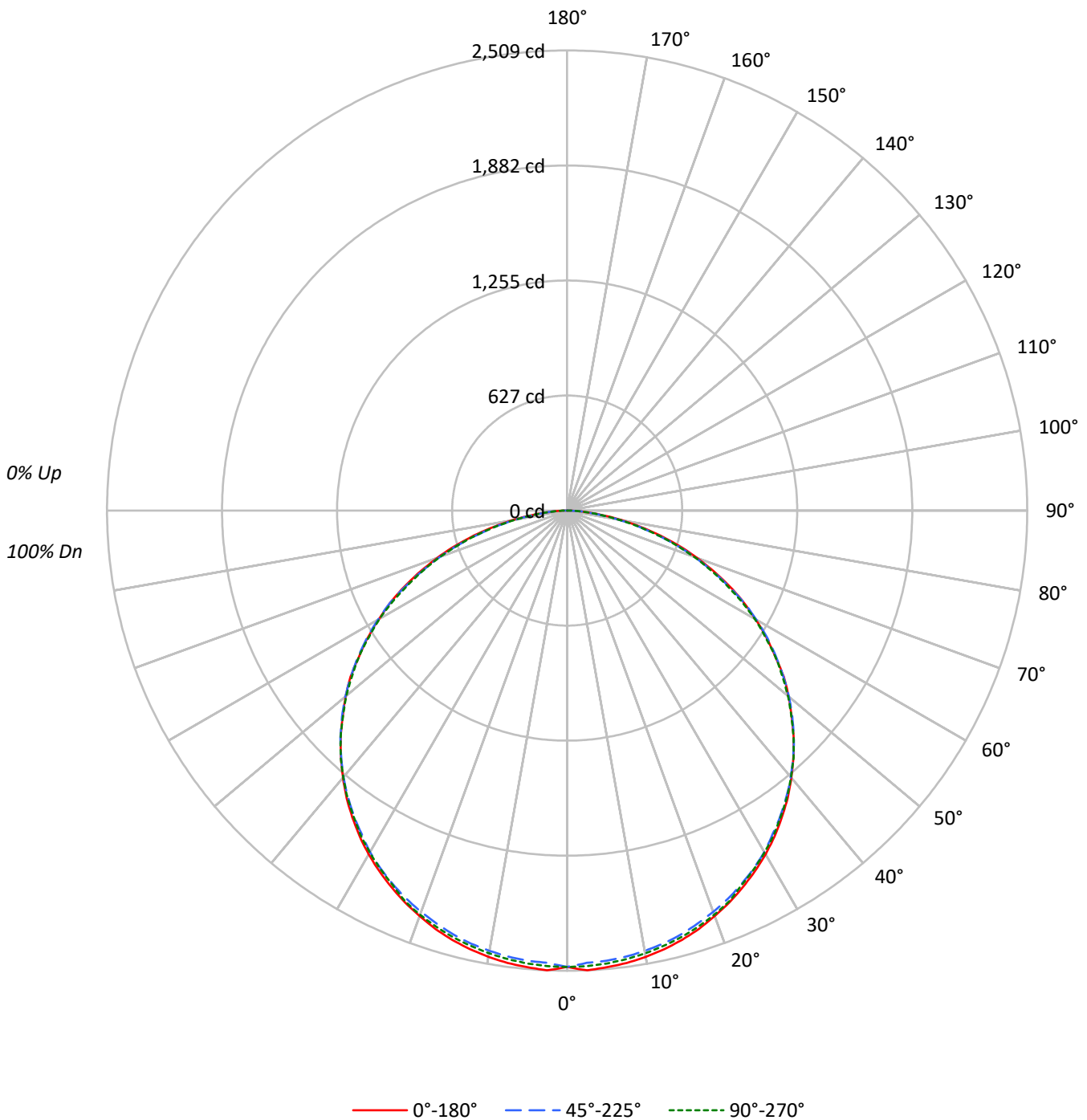
Lumens per Lamp: N/A
Luminaire Lumens: 7448.0 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26782	26782	26782
5°	26999	26623	26781
10°	27011	26643	26793
15°	26999	26671	26823
20°	26945	26668	26860
25°	26913	26700	26750
30°	26894	26724	26750
35°	26829	26662	26704
40°	26720	26661	26676
45°	26575	26624	26575
50°	26396	26448	26307
55°	25984	26123	25984
60°	25547	25659	25433
65°	24914	24619	24351
70°	23726	23198	23132
75°	21896	20844	20932
80°	18732	17555	17883
85°	13919	13659	12745



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.1	3.2
10°-20°	680.4	9.1
20°-30°	1041.6	14.0
30°-40°	1274.1	17.1
40°-50°	1347.6	18.1
50°-60°	1241.7	16.7
60°-70°	955.7	12.8
70°-80°	536.9	7.2
80°-90°	133.9	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°	1958.0	26.3
0°-40°	3232.2	43.4
0°-60°	5821.5	78.2
0°-90°	7448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2488	2488	2488	2488	2488	
5°	2499	2491	2464	2486	2479	238
15°	2423	2416	2393	2414	2407	684
25°	2266	2264	2248	2264	2252	1045
35°	2042	2038	2029	2038	2032	1278
45°	1746	1751	1749	1745	1746	1346
55°	1385	1397	1392	1388	1385	1240
65°	978	980	967	953	956	965
75°	526	518	501	494	503	554
85°	113	111	111	107	103	139
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2488.1	2488.1	2488.1	2488.1	2488.1
2.5°	2509.2	2495.5	2468.1	2492.3	2486.0
5°	2498.7	2491.3	2463.9	2486.0	2478.6
7.5°	2488.1	2479.7	2453.4	2477.6	2467.1
10°	2471.3	2463.9	2437.6	2460.7	2451.3
12.5°	2449.2	2442.8	2418.6	2440.7	2431.3
15°	2422.8	2416.5	2393.4	2414.4	2407.0
17.5°	2391.3	2383.9	2361.8	2383.9	2378.6
20°	2352.3	2348.1	2328.1	2348.1	2344.9
22.5°	2312.3	2307.0	2291.2	2306.0	2307.0
25°	2266.0	2263.8	2248.1	2263.8	2252.3
27.5°	2217.5	2217.5	2201.7	2212.2	2204.9
30°	2163.8	2162.8	2150.1	2155.4	2152.2
32.5°	2105.9	2104.8	2088.0	2101.7	2096.4
35°	2041.7	2038.5	2029.0	2038.5	2032.2
37.5°	1975.3	1972.2	1964.8	1970.1	1969.0
40°	1901.6	1901.6	1897.4	1901.6	1898.5
42.5°	1825.8	1829.0	1823.7	1827.9	1827.9
45°	1745.8	1751.1	1749.0	1744.7	1745.8
47.5°	1660.5	1670.0	1664.7	1663.7	1658.4
50°	1576.3	1584.7	1579.4	1574.2	1571.0
52.5°	1488.9	1493.1	1486.8	1484.7	1477.3
55°	1384.6	1397.3	1392.0	1387.8	1384.6
57.5°	1288.8	1298.3	1294.1	1285.7	1280.4
60°	1186.7	1194.0	1191.9	1182.5	1181.4
62.5°	1086.6	1088.8	1086.6	1069.8	1070.9
65°	978.2	980.3	966.6	952.9	956.1
67.5°	864.5	870.8	851.8	831.8	845.5
70°	753.9	751.8	737.1	715.0	735.0
72.5°	640.2	638.1	621.2	605.4	619.1
75°	526.5	518.1	501.2	493.8	503.3
77.5°	408.5	399.1	391.7	386.4	390.6
80°	302.2	289.6	283.2	279.0	288.5
82.5°	201.1	191.6	188.5	191.6	189.5
85°	112.7	110.6	110.6	107.4	103.2
87.5°	46.3	48.4	49.5	48.4	46.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)