

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: P566992

Luminaire Tested: **4SNX-90HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566992
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-90HL-UNV-L840-CD
Description: 4FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

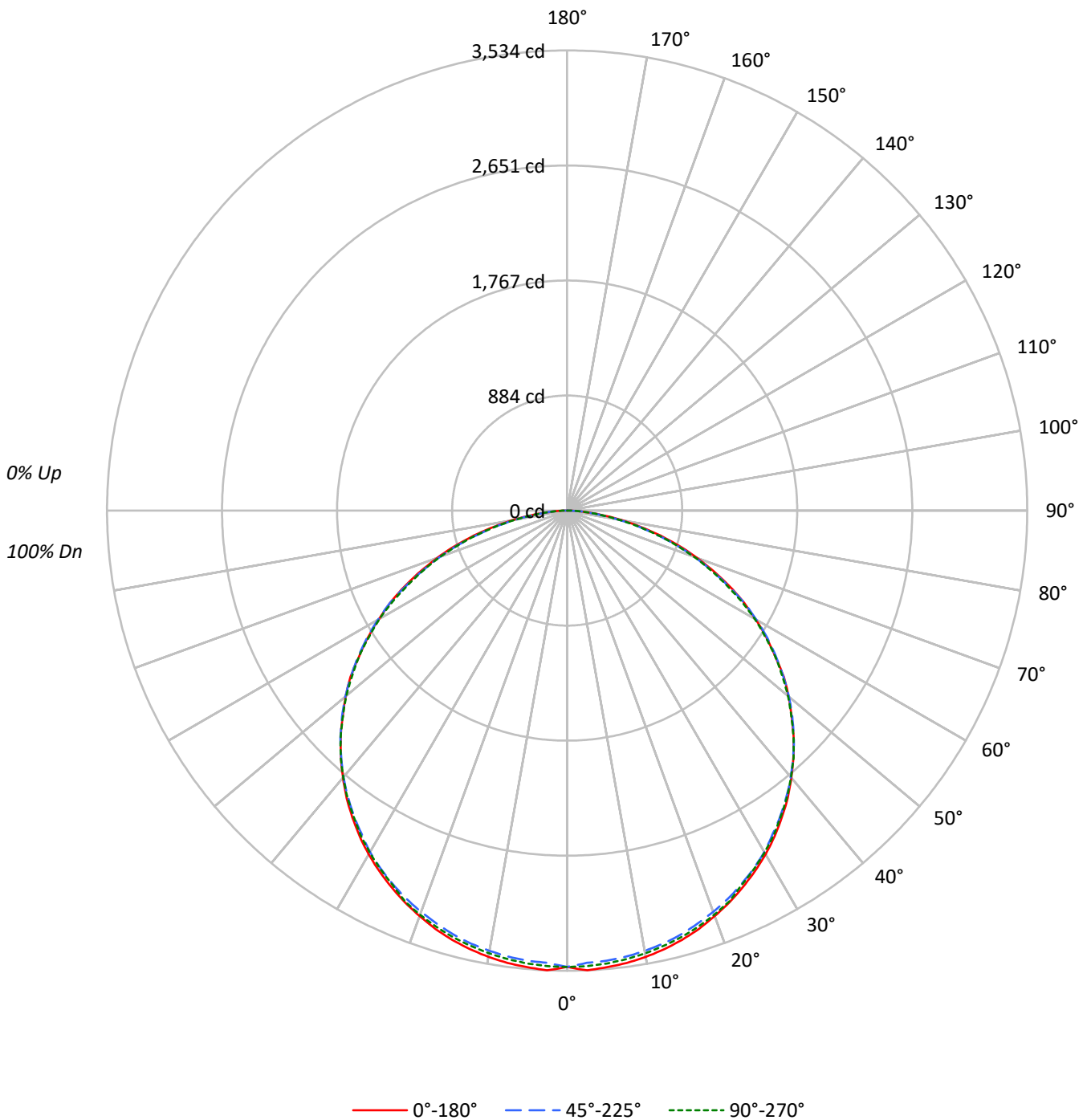
Lumens per Lamp: N/A
Luminaire Lumens: 10491.0 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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°	37724	37724	37724
5°	38028	37500	37724
10°	38047	37528	37739
15°	38030	37567	37782
20°	37954	37562	37835
25°	37907	37607	37679
30°	37883	37643	37680
35°	37789	37555	37614
40°	37638	37553	37575
45°	37434	37501	37434
50°	37180	37254	37057
55°	36600	36795	36600
60°	35984	36143	35824
65°	35092	34677	34300
70°	33420	32674	32579
75°	30842	29362	29482
80°	26388	24733	25191
85°	19600	19229	17945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.6	3.2
10°-20°	958.3	9.1
20°-30°	1467.1	14.0
30°-40°	1794.7	17.1
40°-50°	1898.2	18.1
50°-60°	1749.0	16.7
60°-70°	1346.1	12.8
70°-80°	756.3	7.2
80°-90°	188.7	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°	2758.0	26.3
0°-40°	4552.7	43.4
0°-60°	8199.9	78.2
0°-90°	10491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3505	3505	3505	3505	3505	
5°	3520	3509	3471	3502	3491	335
15°	3413	3404	3371	3401	3390	963
25°	3192	3189	3166	3189	3172	1472
35°	2876	2871	2858	2871	2862	1800
45°	2459	2466	2464	2458	2459	1896
55°	1950	1968	1961	1955	1950	1747
65°	1378	1381	1362	1342	1347	1359
75°	742	730	706	696	709	781
85°	159	156	156	151	145	196
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3504.7	3504.7	3504.7	3504.7	3504.7
2.5°	3534.3	3515.1	3476.5	3510.6	3501.7
5°	3519.5	3509.1	3470.6	3501.7	3491.3
7.5°	3504.7	3492.8	3455.7	3489.9	3475.0
10°	3481.0	3470.6	3433.5	3466.1	3452.8
12.5°	3449.8	3440.9	3406.8	3437.9	3424.6
15°	3412.7	3403.8	3371.2	3400.9	3390.5
17.5°	3368.2	3357.9	3326.7	3357.9	3350.4
20°	3313.4	3307.4	3279.2	3307.4	3303.0
22.5°	3257.0	3249.6	3227.3	3248.1	3249.6
25°	3191.7	3188.8	3166.5	3188.8	3172.5
27.5°	3123.5	3123.5	3101.3	3116.1	3105.7
30°	3047.9	3046.4	3028.6	3036.0	3031.6
32.5°	2966.3	2964.8	2941.1	2960.4	2953.0
35°	2875.8	2871.4	2858.0	2871.4	2862.5
37.5°	2782.4	2777.9	2767.6	2775.0	2773.5
40°	2678.6	2678.6	2672.6	2678.6	2674.1
42.5°	2571.8	2576.2	2568.8	2574.7	2574.7
45°	2459.1	2466.5	2463.5	2457.6	2459.1
47.5°	2338.9	2352.3	2344.9	2343.4	2336.0
50°	2220.3	2232.1	2224.7	2217.3	2212.9
52.5°	2097.2	2103.1	2094.2	2091.2	2080.9
55°	1950.3	1968.1	1960.7	1954.8	1950.3
57.5°	1815.4	1828.7	1822.8	1810.9	1803.5
60°	1671.5	1681.9	1678.9	1665.6	1664.1
62.5°	1530.6	1533.6	1530.6	1506.9	1508.4
65°	1377.8	1380.8	1361.5	1342.3	1346.7
67.5°	1217.7	1226.6	1199.9	1171.7	1191.0
70°	1061.9	1059.0	1038.2	1007.1	1035.2
72.5°	901.8	898.8	875.1	852.8	872.1
75°	741.6	729.7	706.0	695.6	708.9
77.5°	575.5	562.1	551.7	544.3	550.2
80°	425.7	407.9	399.0	393.0	406.4
82.5°	283.3	269.9	265.5	269.9	267.0
85°	158.7	155.7	155.7	151.3	145.3
87.5°	65.3	68.2	69.7	68.2	65.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)