

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: P566997

Luminaire Tested: **4SNX-90HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566997
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-L950-CD
Description: 4FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

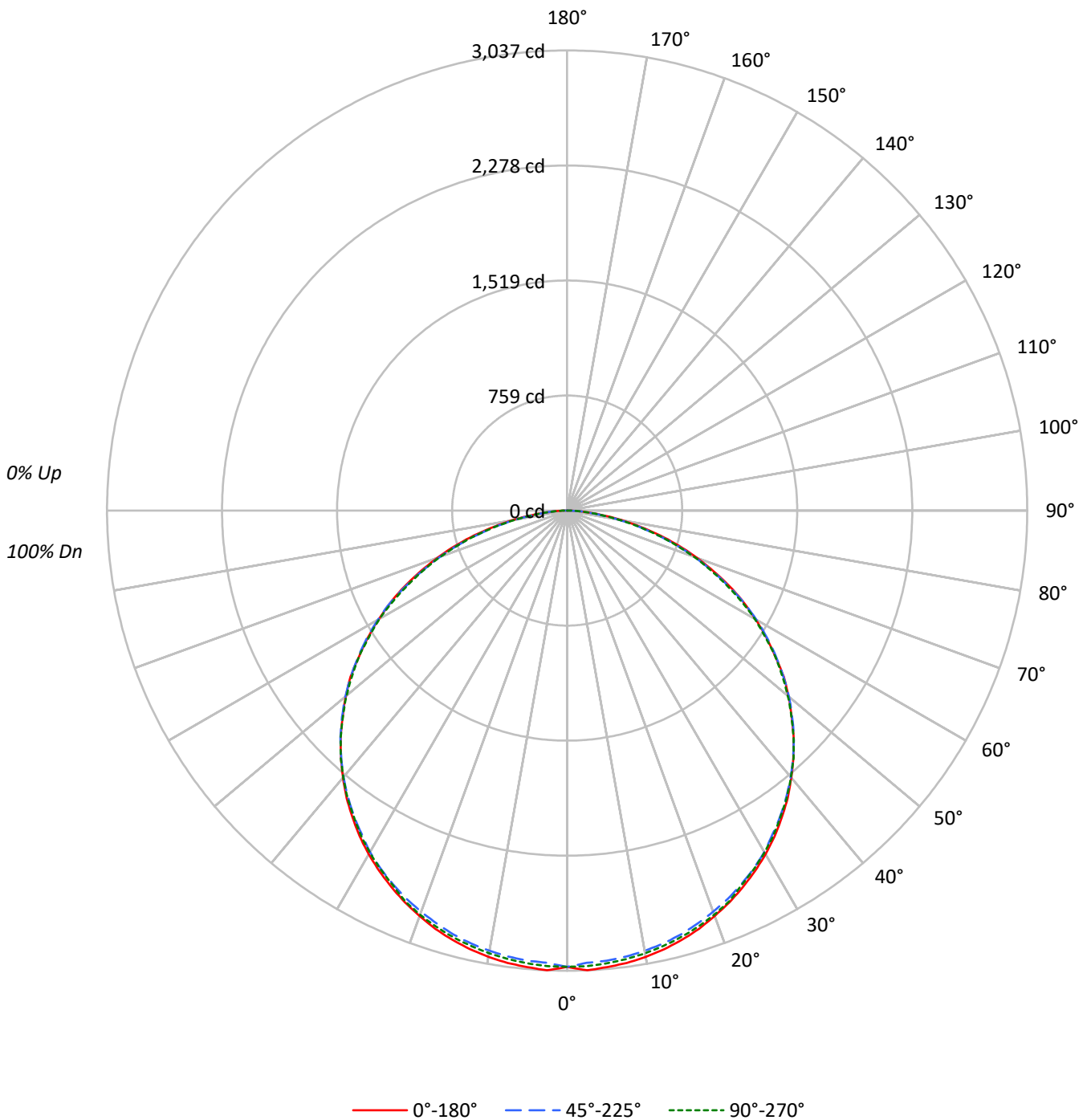
Lumens per Lamp: N/A
Luminaire Lumens: 9014.0 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P566997

CATALOG NUMBER: 4SNX-90HL-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566997

CATALOG NUMBER: 4SNX-90HL-UNV-L950-CD

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°	32413	32413	32413
5°	32674	32221	32413
10°	32690	32244	32426
15°	32676	32279	32462
20°	32610	32275	32508
25°	32571	32313	32373
30°	32549	32343	32375
35°	32468	32269	32319
40°	32339	32267	32284
45°	32164	32221	32164
50°	31946	32009	31839
55°	31449	31616	31449
60°	30918	31056	30780
65°	30153	29794	29471
70°	28715	28073	27994
75°	26500	25228	25332
80°	22669	21249	21646
85°	16846	16525	15425



TEST NUMBER: P566997

CATALOG NUMBER: 4SNX-90HL-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.8	3.2
10°-20°	823.4	9.1
20°-30°	1260.6	14.0
30°-40°	1542.0	17.1
40°-50°	1631.0	18.1
50°-60°	1502.8	16.7
60°-70°	1156.6	12.8
70°-80°	649.8	7.2
80°-90°	162.1	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°	2369.7	26.3
0°-40°	3911.7	43.4
0°-60°	7045.5	78.2
0°-90°	9014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3011	3011	3011	3011	3011	
5°	3024	3015	2982	3009	3000	288
15°	2932	2925	2897	2922	2913	828
25°	2742	2740	2721	2740	2726	1265
35°	2471	2467	2456	2467	2460	1546
45°	2113	2119	2117	2112	2113	1629
55°	1676	1691	1685	1680	1676	1501
65°	1184	1186	1170	1153	1157	1168
75°	637	627	607	598	609	671
85°	136	134	134	130	125	168
90°	0	0	0	0	0	



TEST NUMBER: P566997

CATALOG NUMBER: 4SNX-90HL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3011.3	3011.3	3011.3	3011.3	3011.3
2.5°	3036.8	3020.2	2987.1	3016.4	3008.7
5°	3024.0	3015.1	2982.0	3008.7	2999.8
7.5°	3011.3	3001.1	2969.2	2998.5	2985.8
10°	2990.9	2982.0	2950.1	2978.1	2966.7
12.5°	2964.1	2956.5	2927.2	2953.9	2942.5
15°	2932.3	2924.6	2896.6	2922.1	2913.1
17.5°	2894.0	2885.1	2858.3	2885.1	2878.7
20°	2846.9	2841.8	2817.6	2841.8	2838.0
22.5°	2798.5	2792.1	2773.0	2790.8	2792.1
25°	2742.4	2739.8	2720.7	2739.8	2725.8
27.5°	2683.8	2683.8	2664.6	2677.4	2668.5
30°	2618.8	2617.5	2602.2	2608.6	2604.8
32.5°	2548.7	2547.4	2527.0	2543.6	2537.2
35°	2470.9	2467.1	2455.7	2467.1	2459.5
37.5°	2390.7	2386.8	2377.9	2384.3	2383.0
40°	2301.5	2301.5	2296.4	2301.5	2297.6
42.5°	2209.7	2213.5	2207.2	2212.3	2212.3
45°	2112.9	2119.2	2116.7	2111.6	2112.9
47.5°	2009.6	2021.1	2014.7	2013.5	2007.1
50°	1907.7	1917.9	1911.5	1905.1	1901.3
52.5°	1801.9	1807.0	1799.4	1796.8	1787.9
55°	1675.8	1691.1	1684.7	1679.6	1675.8
57.5°	1559.8	1571.3	1566.2	1556.0	1549.6
60°	1436.2	1445.1	1442.6	1431.1	1429.8
62.5°	1315.1	1317.7	1315.1	1294.7	1296.0
65°	1183.9	1186.4	1169.8	1153.3	1157.1
67.5°	1046.2	1053.9	1030.9	1006.7	1023.3
70°	912.4	909.9	892.0	865.3	889.5
72.5°	774.8	772.3	751.9	732.7	749.3
75°	637.2	627.0	606.6	597.7	609.1
77.5°	494.4	483.0	474.1	467.7	472.8
80°	365.7	350.4	342.8	337.7	349.2
82.5°	243.4	231.9	228.1	231.9	229.4
85°	136.4	133.8	133.8	130.0	124.9
87.5°	56.1	58.6	59.9	58.6	56.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)