

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: P566993

Luminaire Tested: **4SNX-90HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566993
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-L850-CD
Description: 4FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

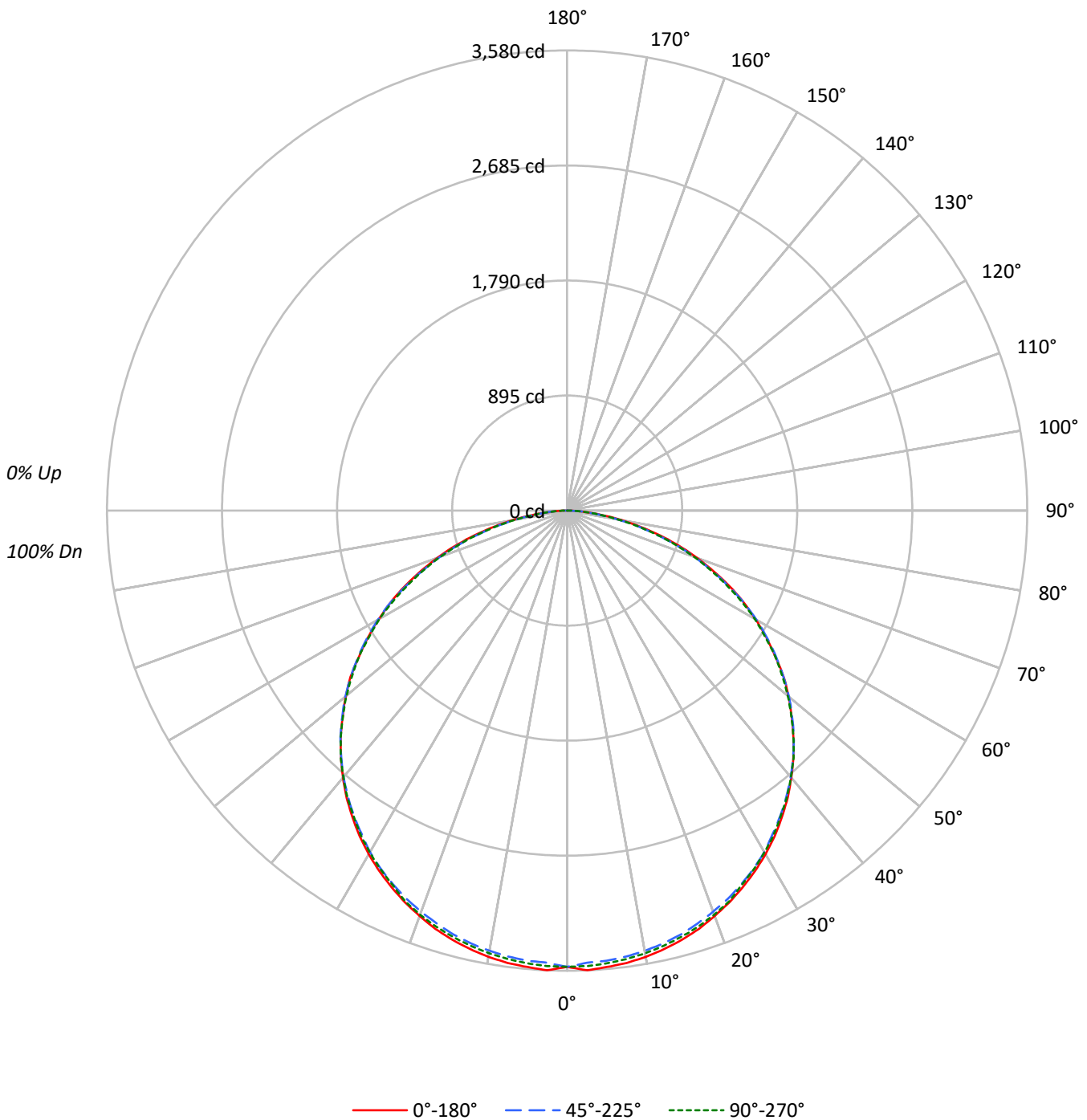
Lumens per Lamp: N/A
Luminaire Lumens: 10625.0 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

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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°	38207	38207	38207
5°	38515	37979	38206
10°	38533	38007	38221
15°	38516	38048	38265
20°	38439	38042	38318
25°	38391	38088	38160
30°	38366	38124	38161
35°	38272	38035	38094
40°	38118	38034	38055
45°	37912	37980	37912
50°	37654	37730	37529
55°	37069	37266	37069
60°	36444	36606	36283
65°	35540	35120	34738
70°	33848	33092	32998
75°	31233	29736	29861
80°	26723	25049	25514
85°	19847	19476	18180



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	3.2
10°-20°	970.6	9.1
20°-30°	1485.8	14.0
30°-40°	1817.6	17.1
40°-50°	1922.4	18.1
50°-60°	1771.4	16.7
60°-70°	1363.3	12.8
70°-80°	765.9	7.2
80°-90°	191.1	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°	2793.3	26.3
0°-40°	4610.9	43.4
0°-60°	8304.7	78.2
0°-90°	10625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3550	3550	3550	3550	3550	
5°	3564	3554	3515	3546	3536	339
15°	3456	3447	3414	3444	3434	976
25°	3232	3230	3207	3230	3213	1491
35°	2913	2908	2894	2908	2899	1823
45°	2490	2498	2495	2489	2490	1920
55°	1975	1993	1986	1980	1975	1769
65°	1395	1398	1379	1359	1364	1377
75°	751	739	715	704	718	791
85°	161	158	158	153	147	198
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3549.5	3549.5	3549.5	3549.5	3549.5
2.5°	3579.5	3560.0	3520.9	3555.5	3546.4
5°	3564.5	3554.0	3514.9	3546.4	3535.9
7.5°	3549.5	3537.4	3499.9	3534.4	3519.4
10°	3525.4	3514.9	3477.3	3510.4	3496.9
12.5°	3493.9	3484.9	3450.3	3481.9	3468.3
15°	3456.3	3447.3	3414.3	3444.3	3433.8
17.5°	3411.3	3400.7	3369.2	3400.7	3393.2
20°	3355.7	3349.7	3321.1	3349.7	3345.2
22.5°	3298.6	3291.1	3268.6	3289.6	3291.1
25°	3232.5	3229.5	3207.0	3229.5	3213.0
27.5°	3163.4	3163.4	3140.9	3155.9	3145.4
30°	3086.8	3085.3	3067.3	3074.8	3070.3
32.5°	3004.2	3002.7	2978.7	2998.2	2990.7
35°	2912.6	2908.1	2894.5	2908.1	2899.0
37.5°	2817.9	2813.4	2802.9	2810.4	2808.9
40°	2712.8	2712.8	2706.8	2712.8	2708.3
42.5°	2604.6	2609.1	2601.6	2607.6	2607.6
45°	2490.5	2498.0	2495.0	2489.0	2490.5
47.5°	2368.8	2382.3	2374.8	2373.3	2365.8
50°	2248.6	2260.7	2253.1	2245.6	2241.1
52.5°	2124.0	2130.0	2121.0	2118.0	2107.4
55°	1975.3	1993.3	1985.8	1979.8	1975.3
57.5°	1838.6	1852.1	1846.1	1834.1	1826.5
60°	1692.9	1703.4	1700.4	1686.9	1685.4
62.5°	1550.2	1553.2	1550.2	1526.1	1527.6
65°	1395.4	1398.5	1378.9	1359.4	1363.9
67.5°	1233.2	1242.2	1215.2	1186.7	1206.2
70°	1075.5	1072.5	1051.5	1019.9	1048.5
72.5°	913.3	910.3	886.2	863.7	883.2
75°	751.0	739.0	715.0	704.5	718.0
77.5°	582.8	569.3	558.8	551.3	557.3
80°	431.1	413.1	404.1	398.1	411.6
82.5°	286.9	273.4	268.9	273.4	270.4
85°	160.7	157.7	157.7	153.2	147.2
87.5°	66.1	69.1	70.6	69.1	66.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)