

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: P567040

Luminaire Tested: **4SNX-93HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567040
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-93HL-UNV-L840-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

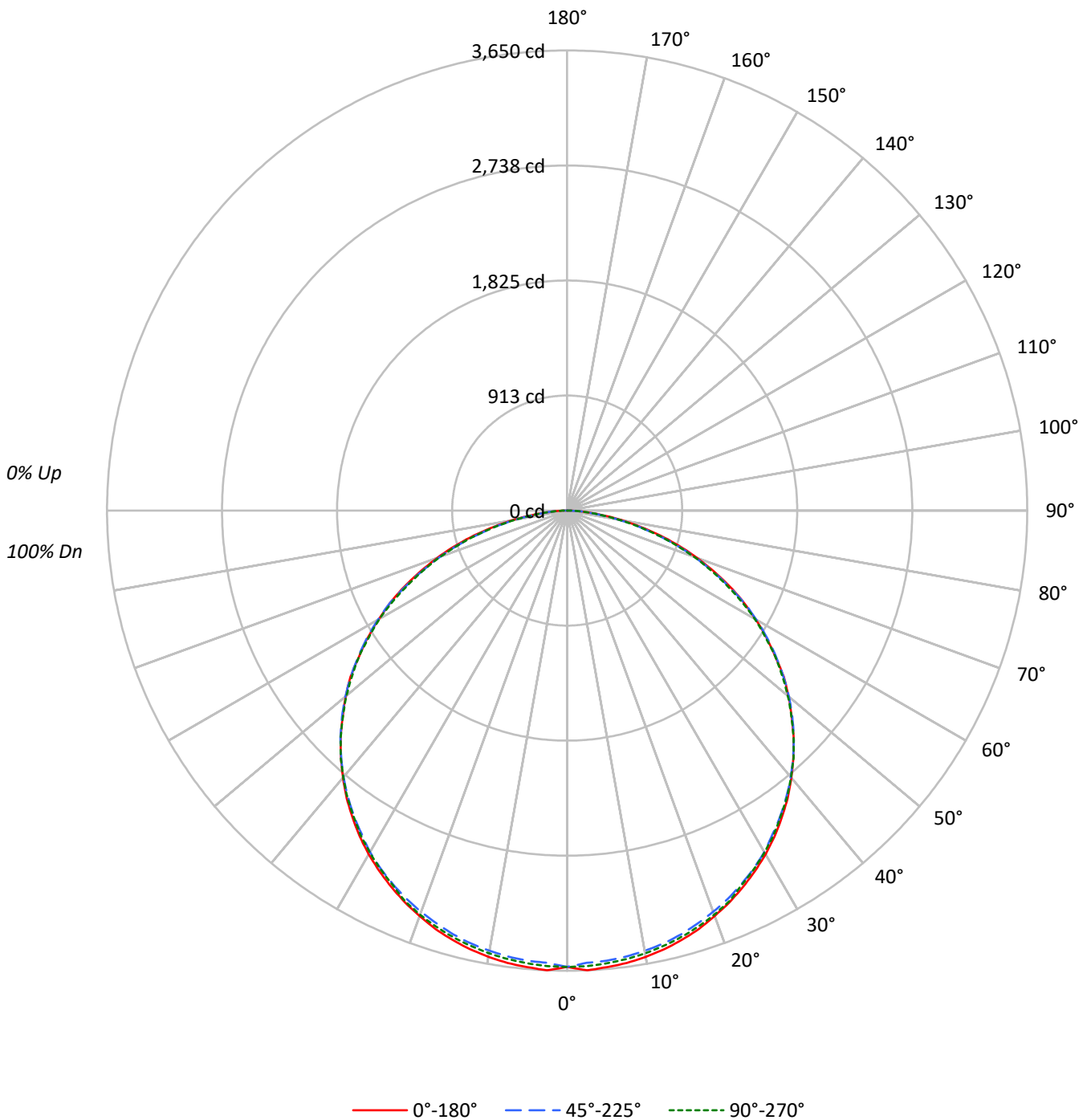
Lumens per Lamp: N/A
Luminaire Lumens: 10834.0 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 67.4
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°	38958	38958	38958
5°	39272	38725	38958
10°	39291	38755	38973
15°	39273	38795	39017
20°	39195	38791	39072
25°	39147	38838	38910
30°	39121	38873	38912
35°	39025	38784	38844
40°	38867	38782	38804
45°	38657	38727	38657
50°	38396	38473	38267
55°	37797	37998	37797
60°	37161	37325	36996
65°	36241	35810	35421
70°	34515	33741	33646
75°	31849	30322	30447
80°	27249	25539	26016
85°	20242	19859	18538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.5	3.2
10°-20°	989.7	9.1
20°-30°	1515.1	14.0
30°-40°	1853.4	17.1
40°-50°	1960.3	18.1
50°-60°	1806.2	16.7
60°-70°	1390.1	12.8
70°-80°	781.0	7.2
80°-90°	194.8	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°	2848.2	26.3
0°-40°	4701.6	43.4
0°-60°	8468.0	78.2
0°-90°	10834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3619	3619	3619	3619	3619	
5°	3635	3624	3584	3616	3606	346
15°	3524	3515	3481	3512	3501	995
25°	3296	3293	3270	3293	3276	1520
35°	2970	2965	2952	2965	2956	1858
45°	2540	2547	2544	2538	2540	1958
55°	2014	2032	2025	2019	2014	1804
65°	1423	1426	1406	1386	1391	1404
75°	766	754	729	718	732	807
85°	164	161	161	156	150	202
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3619.3	3619.3	3619.3	3619.3	3619.3
2.5°	3649.9	3630.0	3590.2	3625.4	3616.2
5°	3634.6	3623.9	3584.0	3616.2	3605.5
7.5°	3619.3	3607.0	3568.7	3604.0	3588.6
10°	3594.8	3584.0	3545.8	3579.4	3565.7
12.5°	3562.6	3553.4	3518.2	3550.3	3536.6
15°	3524.3	3515.1	3481.4	3512.1	3501.3
17.5°	3478.4	3467.6	3435.5	3467.6	3460.0
20°	3421.7	3415.6	3386.5	3415.6	3411.0
22.5°	3363.5	3355.8	3332.9	3354.3	3355.8
25°	3296.1	3293.0	3270.1	3293.0	3276.2
27.5°	3225.6	3225.6	3202.7	3218.0	3207.3
30°	3147.5	3146.0	3127.6	3135.3	3130.7
32.5°	3063.3	3061.8	3037.2	3057.2	3049.5
35°	2969.9	2965.3	2951.5	2965.3	2956.1
37.5°	2873.4	2868.8	2858.0	2865.7	2864.2
40°	2766.1	2766.1	2760.0	2766.1	2761.6
42.5°	2655.9	2660.5	2652.8	2658.9	2658.9
45°	2539.5	2547.1	2544.1	2537.9	2539.5
47.5°	2415.4	2429.2	2421.5	2420.0	2412.3
50°	2292.9	2305.1	2297.5	2289.8	2285.2
52.5°	2165.7	2171.9	2162.7	2159.6	2148.9
55°	2014.1	2032.5	2024.8	2018.7	2014.1
57.5°	1874.7	1888.5	1882.4	1870.1	1862.5
60°	1726.2	1736.9	1733.8	1720.0	1718.5
62.5°	1580.7	1583.7	1580.7	1556.1	1557.7
65°	1422.9	1426.0	1406.0	1386.1	1390.7
67.5°	1257.5	1266.7	1239.1	1210.0	1229.9
70°	1096.7	1093.6	1072.1	1040.0	1069.1
72.5°	931.2	928.2	903.7	880.7	900.6
75°	765.8	753.6	729.1	718.3	732.1
77.5°	594.3	580.5	569.8	562.1	568.2
80°	439.6	421.2	412.0	405.9	419.7
82.5°	292.5	278.8	274.2	278.8	275.7
85°	163.9	160.8	160.8	156.2	150.1
87.5°	67.4	70.5	72.0	70.5	67.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)