

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: P567297

Luminaire Tested: **8SNX-120SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-UNV-L950-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

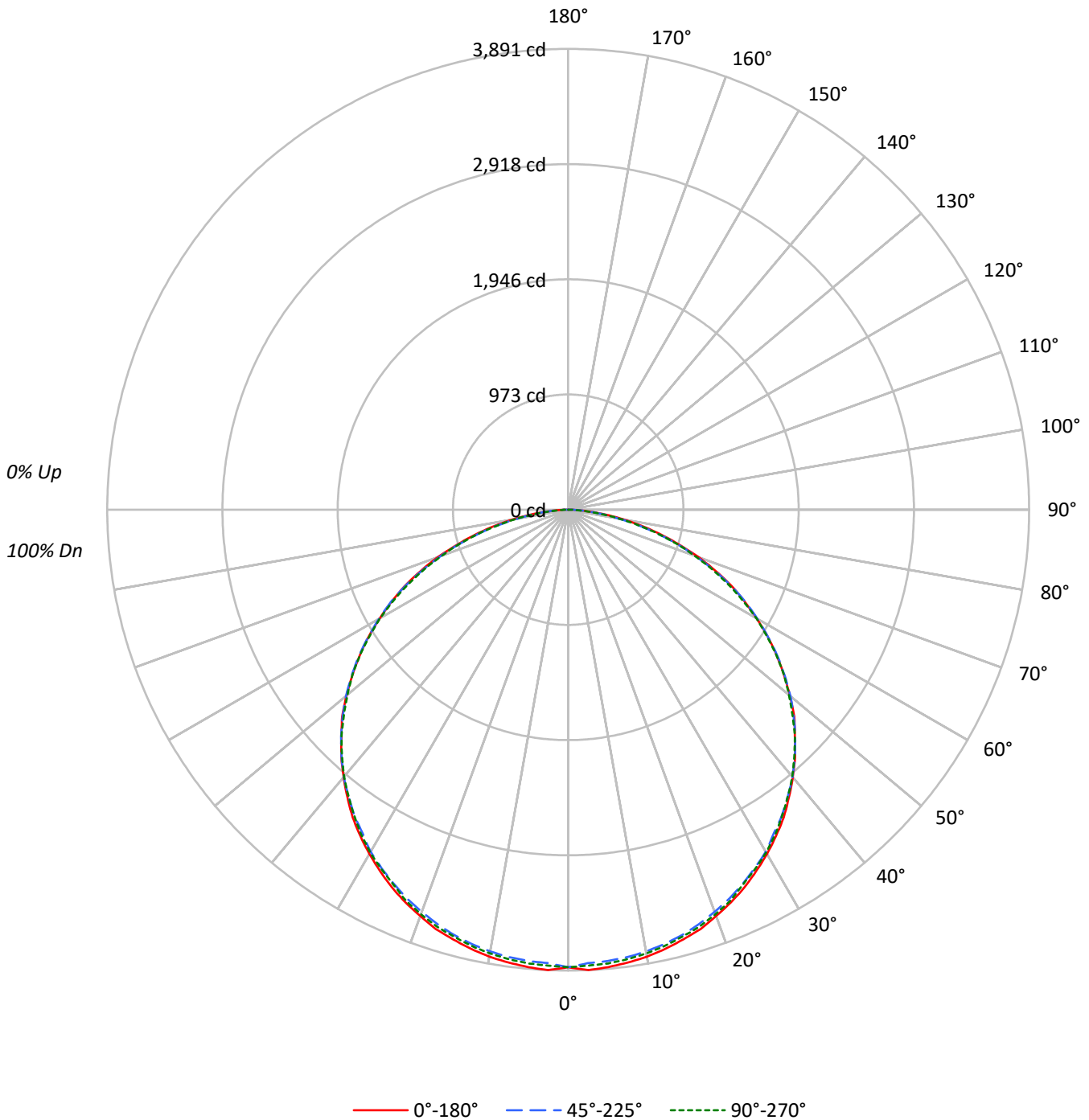
Lumens per Lamp: N/A
Luminaire Lumens: 11551.0 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 84
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°	20792	20792	20792
5°	20946	20665	20778
10°	20942	20695	20790
15°	20925	20712	20790
20°	20912	20694	20813
25°	20899	20692	20734
30°	20856	20727	20770
35°	20840	20680	20703
40°	20722	20698	20674
45°	20598	20625	20598
50°	20449	20508	20362
55°	20178	20243	20146
60°	19782	19857	19744
65°	19379	19245	18980
70°	18423	18041	17822
75°	16833	16255	16328
80°	14536	13460	13783
85°	10942	10510	9442



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.5	3.2
10°-20°	1056.0	9.1
20°-30°	1615.8	14.0
30°-40°	1975.6	17.1
40°-50°	2089.8	18.1
50°-60°	1925.5	16.7
60°-70°	1483.8	12.8
70°-80°	831.4	7.2
80°-90°	206.6	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°	3038.3	26.3
0°-40°	5013.9	43.4
0°-60°	9029.3	78.2
0°-90°	11551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3863	3863	3863	3863	3863	
5°	3877	3863	3825	3863	3846	369
15°	3756	3749	3717	3749	3731	1061
25°	3519	3512	3484	3512	3492	1622
35°	3172	3165	3148	3158	3151	1982
45°	2706	2717	2710	2706	2706	2091
55°	2150	2168	2157	2157	2147	1920
65°	1522	1522	1511	1473	1490	1497
75°	810	799	782	754	785	858
85°	177	167	170	170	153	219
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3863.2	3863.2	3863.2	3863.2	3863.2
2.5°	3891.0	3873.6	3832.0	3870.2	3852.8
5°	3877.1	3863.2	3825.0	3863.2	3845.9
7.5°	3856.3	3845.9	3811.1	3845.9	3828.5
10°	3832.0	3821.5	3786.8	3821.5	3804.2
12.5°	3797.2	3790.3	3755.5	3790.3	3772.9
15°	3755.5	3748.6	3717.3	3748.6	3731.2
17.5°	3713.8	3699.9	3668.7	3703.4	3689.5
20°	3651.3	3644.4	3613.1	3644.4	3633.9
22.5°	3588.8	3581.8	3554.0	3581.8	3574.9
25°	3519.3	3512.3	3484.5	3512.3	3491.5
27.5°	3439.4	3442.9	3411.6	3429.0	3418.5
30°	3356.0	3356.0	3335.2	3342.1	3342.1
32.5°	3265.7	3265.7	3234.4	3255.3	3251.8
35°	3171.9	3164.9	3147.6	3158.0	3151.0
37.5°	3060.7	3057.2	3046.8	3053.8	3046.8
40°	2949.5	2953.0	2946.1	2942.6	2942.6
42.5°	2834.9	2841.8	2831.4	2827.9	2824.5
45°	2706.3	2716.8	2709.8	2706.3	2706.3
47.5°	2588.2	2591.7	2581.3	2577.8	2567.4
50°	2442.3	2456.2	2449.3	2442.3	2431.9
52.5°	2296.4	2317.2	2303.3	2296.4	2296.4
55°	2150.5	2167.9	2157.4	2157.4	2147.0
57.5°	1997.6	2015.0	2001.1	2001.1	1987.2
60°	1837.8	1855.2	1844.8	1834.3	1834.3
62.5°	1678.0	1691.9	1688.4	1671.1	1660.6
65°	1521.7	1521.7	1511.2	1473.0	1490.4
67.5°	1344.5	1341.0	1327.1	1288.9	1313.2
70°	1170.8	1170.8	1146.5	1101.3	1132.6
72.5°	983.2	993.6	962.3	931.1	962.3
75°	809.5	799.0	781.7	753.9	785.2
77.5°	642.7	625.3	604.5	590.6	608.0
80°	469.0	458.6	434.3	434.3	444.7
82.5°	319.6	309.2	291.8	295.3	281.4
85°	177.2	166.8	170.2	170.2	152.9
87.5°	73.0	73.0	73.0	66.0	59.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)