

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: P567945

Luminaire Tested: **8SNX-66SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-66SL-LN-UNV-L950-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

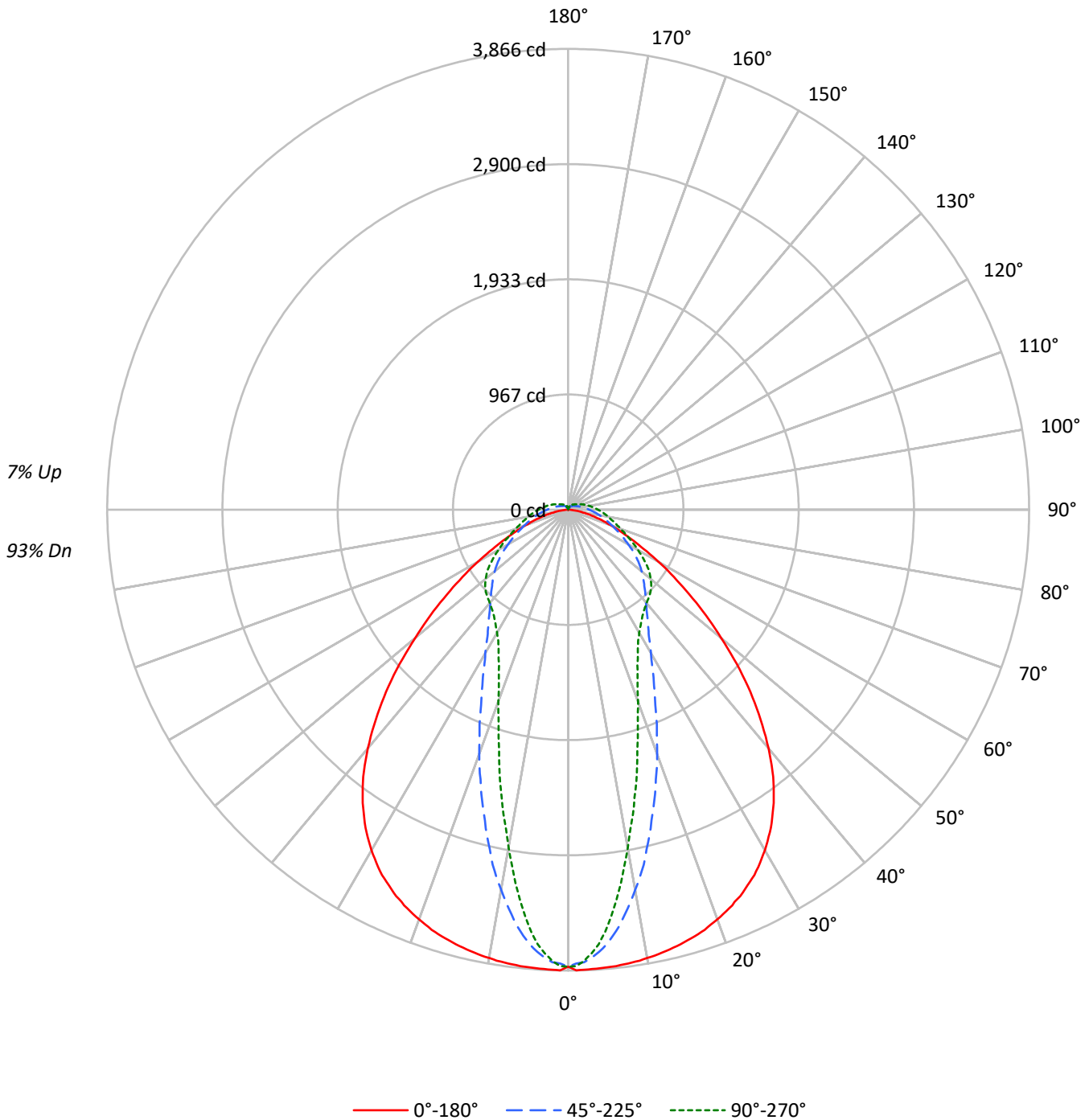
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6111.0 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 42.2
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20632	20632	20632
5°	20777	18987	18147
10°	20787	16298	14080
15°	20815	13310	10553
20°	20790	10613	7897
25°	20644	8325	6268
30°	20257	6745	5346
35°	19454	5714	4863
40°	18045	5050	4603
45°	16094	4626	4461
50°	13685	4262	4214
55°	11293	3867	3849
60°	9083	3406	3376
65°	7106	2995	2938
70°	5577	2654	2598
75°	4387	2390	2367
80°	3196	2193	2201
85°	1915	2051	2110



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.5	5.6
10°-20°	795.8	13.0
20°-30°	944.6	15.5
30°-40°	950.4	15.6
40°-50°	883.4	14.5
50°-60°	727.4	11.9
60°-70°	512.6	8.4
70°-80°	334.9	5.5
80°-90°	213.8	3.5
90°-100°	140.2	2.3
100°-110°	95.2	1.6
110°-120°	65.2	1.1
120°-130°	45.1	0.7
130°-140°	30.4	0.5
140°-150°	18.7	0.3
150°-160°	9.7	0.2
160°-170°	3.5	0.1
170°-180°	0.6	0.0
0°-30°	2079.9	34.0
0°-40°	3030.2	49.6
0°-60°	4641.0	75.9
0°-90°	5702.3	93.3
90°-120°	300.6	4.9
90°-150°	394.8	6.5
90°-180°	409.0	6.7
0°-180°	6111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3834	3834	3834	3834	3834	
5°	3853	3802	3664	3593	3555	367
15°	3757	3356	2700	2360	2232	1061
25°	3510	2594	1720	1444	1384	1615
35°	3004	1755	1166	1092	1086	1868
45°	2159	1156	903	951	977	1657
55°	1239	759	698	775	801	1119
65°	583	458	480	541	560	591
75°	227	237	324	381	397	246
85°	38	109	218	282	295	48
90°	0	74	176	240	250	2
95°	0	54	147	202	211	0
105°	0	38	99	141	154	0
115°	3	32	70	102	109	3
125°	3	26	58	74	80	3
135°	3	22	45	58	61	2
145°	3	16	32	45	48	2
155°	3	13	22	32	35	1
165°	3	6	13	16	19	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3833.6	3833.6	3833.6	3833.6	3833.6
1°	3865.6	3849.6	3808.0	3836.8	3830.4
2°	3862.4	3846.4	3798.4	3811.2	3788.8
3°	3859.2	3836.8	3763.2	3760.0	3727.9
4°	3856.0	3820.8	3718.3	3679.9	3654.3
5°	3852.8	3801.6	3663.9	3593.4	3555.0
6°	3849.6	3779.2	3593.4	3487.7	3433.3
7°	3843.2	3743.9	3519.8	3375.6	3305.2
8°	3836.8	3711.9	3426.9	3253.9	3167.5
9°	3830.4	3670.3	3334.0	3122.6	3020.1
10°	3817.6	3628.6	3237.9	2988.1	2879.2
11°	3811.2	3580.6	3145.0	2860.0	2731.9
12°	3798.4	3529.4	3045.8	2725.5	2613.4
13°	3785.6	3474.9	2924.1	2610.2	2475.7
14°	3772.8	3417.3	2818.4	2482.1	2357.2
15°	3756.7	3356.4	2699.9	2360.4	2232.3
16°	3740.7	3286.0	2594.2	2235.5	2101.0
17°	3724.7	3218.7	2494.9	2120.2	1998.5
18°	3705.5	3151.4	2379.6	2008.1	1889.6
19°	3679.9	3074.6	2286.7	1905.6	1796.7
20°	3657.5	3004.1	2181.0	1809.5	1713.4
21°	3631.8	2917.6	2075.3	1719.8	1623.8
22.5°	3593.4	2795.9	1940.8	1607.7	1518.1
23°	3574.2	2760.7	1886.4	1566.1	1489.2
24°	3548.6	2667.8	1796.7	1502.1	1425.2
25°	3510.1	2594.2	1719.8	1444.4	1383.6
26°	3474.9	2504.5	1643.0	1393.2	1332.3
27°	3439.7	2418.0	1575.7	1338.7	1287.5
28°	3394.8	2328.4	1502.1	1293.9	1249.0
29°	3346.8	2245.1	1441.2	1255.5	1220.2
30°	3298.8	2152.2	1390.0	1220.2	1191.4
32.5°	3164.3	1947.2	1258.7	1153.0	1133.8
35°	3004.1	1755.1	1165.8	1092.1	1085.7
37.5°	2824.8	1578.9	1082.5	1044.1	1050.5
40°	2613.4	1418.8	1012.0	1008.8	1021.7
42.5°	2389.2	1281.1	957.6	980.0	999.2
45°	2158.6	1156.2	903.2	951.2	976.8
47.5°	1918.4	1047.3	855.1	916.0	944.8
50°	1675.0	941.6	803.9	874.3	903.2
52.5°	1457.2	848.7	752.6	826.3	858.3
55°	1239.4	759.0	698.2	775.0	800.7
57.5°	1050.5	675.8	640.5	717.4	736.6
60°	874.3	595.7	582.9	653.3	675.8
62.5°	714.2	525.2	528.4	595.7	618.1
65°	582.9	458.0	480.4	541.3	560.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	474.0	393.9	432.4	496.4	512.4
70°	374.7	336.3	393.9	451.6	467.6
72.5°	297.8	285.0	355.5	416.3	429.2
75°	227.4	237.0	323.5	381.1	397.1
77.5°	163.3	198.6	291.4	352.3	365.1
80°	115.3	163.3	265.8	326.7	339.5
82.5°	73.7	134.5	240.2	304.3	317.1
85°	38.4	108.9	217.8	281.8	294.6
87.5°	16.0	89.7	195.4	259.4	272.2
90°	0.0	73.7	176.1	240.2	249.8
92.5°	0.0	64.1	160.1	221.0	230.6
95°	0.0	54.4	147.3	201.8	211.4
97.5°	0.0	51.2	131.3	185.8	195.4
100°	0.0	44.8	118.5	169.7	182.6
102.5°	0.0	41.6	108.9	153.7	166.5
105°	0.0	38.4	99.3	140.9	153.7
107.5°	0.0	35.2	92.9	131.3	140.9
110°	0.0	35.2	83.3	121.7	131.3
112.5°	3.2	32.0	76.9	108.9	118.5
115°	3.2	32.0	70.5	102.5	108.9
117.5°	3.2	32.0	67.3	92.9	99.3
120°	3.2	28.8	64.1	86.5	92.9
122.5°	3.2	28.8	60.9	80.1	83.3
125°	3.2	25.6	57.6	73.7	80.1
127.5°	3.2	25.6	54.4	70.5	73.7
130°	3.2	25.6	51.2	64.1	70.5
132.5°	3.2	22.4	48.0	60.9	64.1
135°	3.2	22.4	44.8	57.6	60.9
137.5°	3.2	19.2	41.6	54.4	57.6
140°	3.2	19.2	38.4	51.2	54.4
142.5°	3.2	16.0	35.2	48.0	51.2
145°	3.2	16.0	32.0	44.8	48.0
147.5°	3.2	16.0	28.8	41.6	44.8
150°	3.2	12.8	25.6	38.4	41.6
152.5°	3.2	12.8	22.4	35.2	38.4
155°	3.2	12.8	22.4	32.0	35.2
157.5°	3.2	9.6	19.2	25.6	32.0
160°	3.2	9.6	16.0	22.4	28.8
162.5°	3.2	9.6	16.0	19.2	22.4
165°	3.2	6.4	12.8	16.0	19.2
167.5°	3.2	6.4	9.6	12.8	16.0
170°	3.2	6.4	9.6	9.6	12.8
172.5°	3.2	6.4	6.4	6.4	6.4
175°	6.4	6.4	6.4	6.4	3.2
177.5°	6.4	6.4	6.4	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)