

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: P567942

Luminaire Tested: **8SNX-66SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

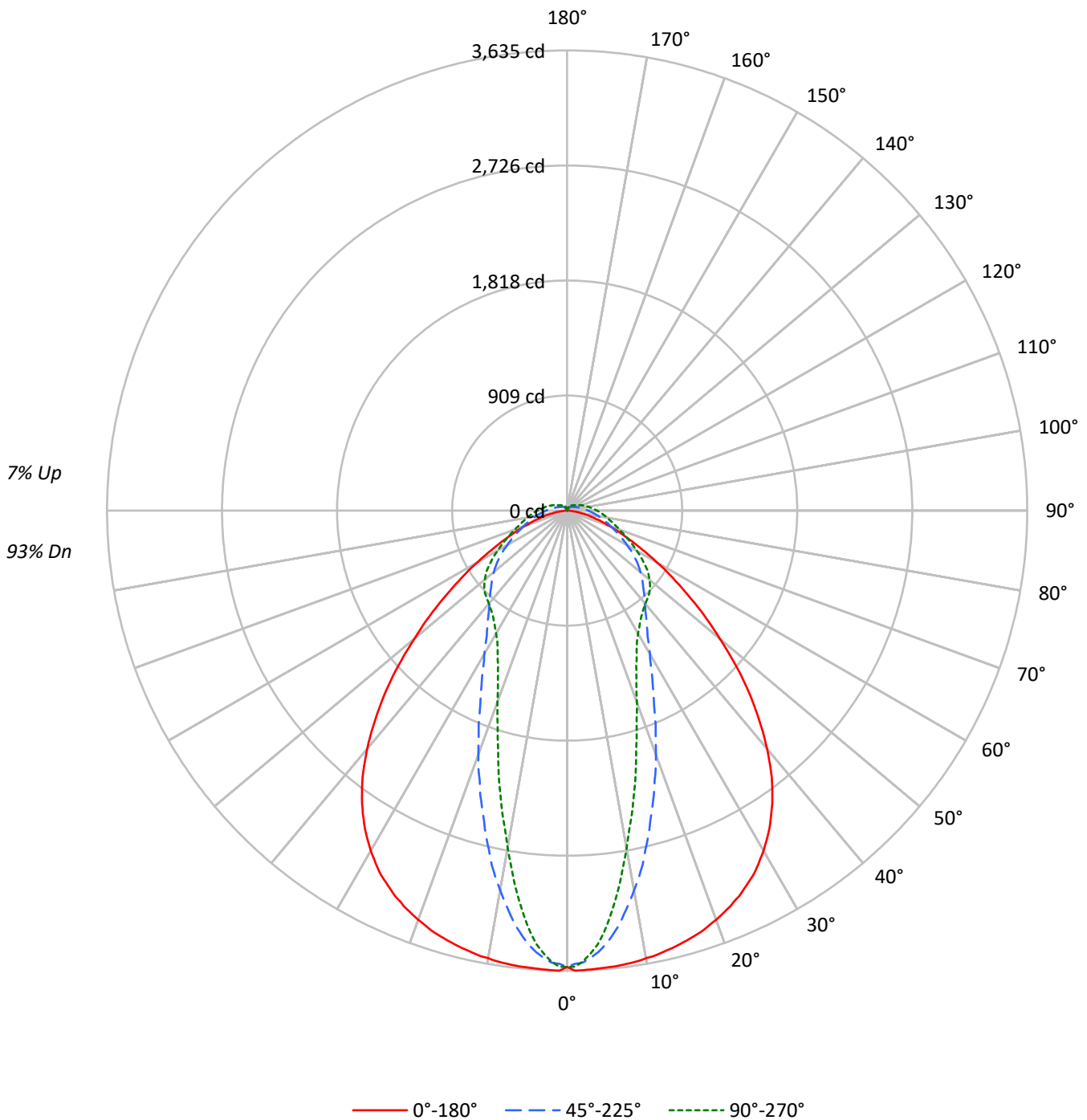
Test Method: LM-79-08  
Report Number: P567942  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-66SL-LN-UNV-L930-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5747.0 lumens  
Efficiency: N/A  
Efficacy: 136.2 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 (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	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	67	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°	19404	19404	19404
5°	19539	17855	17066
10°	19549	15327	13241
15°	19576	12516	9924
20°	19552	9981	7427
25°	19414	7830	5894
30°	19050	6343	5028
35°	18295	5374	4573
40°	16970	4750	4329
45°	15135	4350	4195
50°	12869	4008	3963
55°	10621	3636	3619
60°	8543	3203	3175
65°	6683	2817	2763
70°	5245	2496	2443
75°	4125	2248	2227
80°	3005	2062	2070
85°	1800	1929	1985



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.3	5.6
10°-20°	748.4	13.0
20°-30°	888.3	15.5
30°-40°	893.8	15.6
40°-50°	830.8	14.5
50°-60°	684.1	11.9
60°-70°	482.1	8.4
70°-80°	314.9	5.5
80°-90°	201.1	3.5
90°-100°	131.9	2.3
100°-110°	89.5	1.6
110°-120°	61.3	1.1
120°-130°	42.4	0.7
130°-140°	28.6	0.5
140°-150°	17.6	0.3
150°-160°	9.1	0.2
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	1956.0	34.0
0°-40°	2849.7	49.6
0°-60°	4364.6	75.9
0°-90°	5362.6	93.3
90°-120°	282.7	4.9
90°-150°	371.4	6.5
90°-180°	384.0	6.7
0°-180°	5747.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3605	3605	3605	3605	3605	
5°	3623	3575	3446	3379	3343	345
15°	3533	3156	2539	2220	2099	998
25°	3301	2440	1617	1358	1301	1519
35°	2825	1650	1096	1027	1021	1757
45°	2030	1087	849	894	919	1558
55°	1166	714	657	729	753	1053
65°	548	431	452	509	527	556
75°	214	223	304	358	374	231
85°	36	102	205	265	277	45
90°	0	69	166	226	235	2
95°	0	51	138	190	199	0
105°	0	36	93	132	145	0
115°	3	30	66	96	102	3
125°	3	24	54	69	75	3
135°	3	21	42	54	57	2
145°	3	15	30	42	45	2
155°	3	12	21	30	33	1
165°	3	6	12	15	18	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°	3605.3	3605.3	3605.3	3605.3	3605.3
1°	3635.4	3620.3	3581.2	3608.3	3602.3
2°	3632.4	3617.3	3572.1	3584.2	3563.1
3°	3629.4	3608.3	3539.0	3536.0	3505.9
4°	3626.3	3593.2	3496.8	3460.7	3436.6
5°	3623.3	3575.1	3445.6	3379.4	3343.2
6°	3620.3	3554.1	3379.4	3280.0	3228.8
7°	3614.3	3520.9	3310.1	3174.6	3108.3
8°	3608.3	3490.8	3222.8	3060.1	2978.8
9°	3602.3	3451.7	3135.4	2936.6	2840.2
10°	3590.2	3412.5	3045.0	2810.1	2707.7
11°	3584.2	3367.3	2957.7	2689.6	2569.2
12°	3572.1	3319.1	2864.3	2563.1	2457.7
13°	3560.1	3267.9	2749.9	2454.7	2328.2
14°	3548.0	3213.7	2650.5	2334.2	2216.8
15°	3533.0	3156.5	2539.0	2219.8	2099.3
16°	3517.9	3090.2	2439.7	2102.3	1975.8
17°	3502.9	3027.0	2346.3	1993.9	1879.4
18°	3484.8	2963.7	2237.9	1888.5	1777.0
19°	3460.7	2891.4	2150.5	1792.1	1689.7
20°	3439.6	2825.2	2051.1	1701.7	1611.4
21°	3415.5	2743.9	1951.7	1617.4	1527.0
22.5°	3379.4	2629.4	1825.2	1512.0	1427.6
23°	3361.3	2596.3	1774.0	1472.8	1400.5
24°	3337.2	2508.9	1689.7	1412.6	1340.3
25°	3301.1	2439.7	1617.4	1358.4	1301.1
26°	3267.9	2355.3	1545.1	1310.2	1253.0
27°	3234.8	2274.0	1481.9	1259.0	1210.8
28°	3192.6	2189.7	1412.6	1216.8	1174.6
29°	3147.5	2111.4	1355.4	1180.7	1147.5
30°	3102.3	2024.0	1307.2	1147.5	1120.4
32.5°	2975.8	1831.2	1183.7	1084.3	1066.2
35°	2825.2	1650.5	1096.3	1027.1	1021.0
37.5°	2656.5	1484.9	1018.0	981.9	987.9
40°	2457.7	1334.3	951.8	948.8	960.8
42.5°	2246.9	1204.8	900.6	921.6	939.7
45°	2030.0	1087.3	849.4	894.5	918.6
47.5°	1804.1	984.9	804.2	861.4	888.5
50°	1575.2	885.5	756.0	822.3	849.4
52.5°	1370.4	798.2	707.8	777.1	807.2
55°	1165.6	713.8	656.6	728.9	753.0
57.5°	987.9	635.5	602.4	674.7	692.7
60°	822.3	560.2	548.2	614.4	635.5
62.5°	671.7	494.0	497.0	560.2	581.3
65°	548.2	430.7	451.8	509.0	527.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	445.8	370.5	406.6	466.8	481.9
70°	352.4	316.3	370.5	424.7	439.7
72.5°	280.1	268.1	334.3	391.5	403.6
75°	213.8	222.9	304.2	358.4	373.5
77.5°	153.6	186.7	274.1	331.3	343.4
80°	108.4	153.6	250.0	307.2	319.3
82.5°	69.3	126.5	225.9	286.1	298.2
85°	36.1	102.4	204.8	265.0	277.1
87.5°	15.1	84.3	183.7	244.0	256.0
90°	0.0	69.3	165.7	225.9	234.9
92.5°	0.0	60.2	150.6	207.8	216.9
95°	0.0	51.2	138.5	189.8	198.8
97.5°	0.0	48.2	123.5	174.7	183.7
100°	0.0	42.2	111.4	159.6	171.7
102.5°	0.0	39.2	102.4	144.6	156.6
105°	0.0	36.1	93.4	132.5	144.6
107.5°	0.0	33.1	87.3	123.5	132.5
110°	0.0	33.1	78.3	114.5	123.5
112.5°	3.0	30.1	72.3	102.4	111.4
115°	3.0	30.1	66.3	96.4	102.4
117.5°	3.0	30.1	63.3	87.3	93.4
120°	3.0	27.1	60.2	81.3	87.3
122.5°	3.0	27.1	57.2	75.3	78.3
125°	3.0	24.1	54.2	69.3	75.3
127.5°	3.0	24.1	51.2	66.3	69.3
130°	3.0	24.1	48.2	60.2	66.3
132.5°	3.0	21.1	45.2	57.2	60.2
135°	3.0	21.1	42.2	54.2	57.2
137.5°	3.0	18.1	39.2	51.2	54.2
140°	3.0	18.1	36.1	48.2	51.2
142.5°	3.0	15.1	33.1	45.2	48.2
145°	3.0	15.1	30.1	42.2	45.2
147.5°	3.0	15.1	27.1	39.2	42.2
150°	3.0	12.0	24.1	36.1	39.2
152.5°	3.0	12.0	21.1	33.1	36.1
155°	3.0	12.0	21.1	30.1	33.1
157.5°	3.0	9.0	18.1	24.1	30.1
160°	3.0	9.0	15.1	21.1	27.1
162.5°	3.0	9.0	15.1	18.1	21.1
165°	3.0	6.0	12.0	15.1	18.1
167.5°	3.0	6.0	9.0	12.0	15.1
170°	3.0	6.0	9.0	9.0	12.0
172.5°	3.0	6.0	6.0	6.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	3.0	3.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)