

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: P567944

Luminaire Tested: **8SNX-66SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

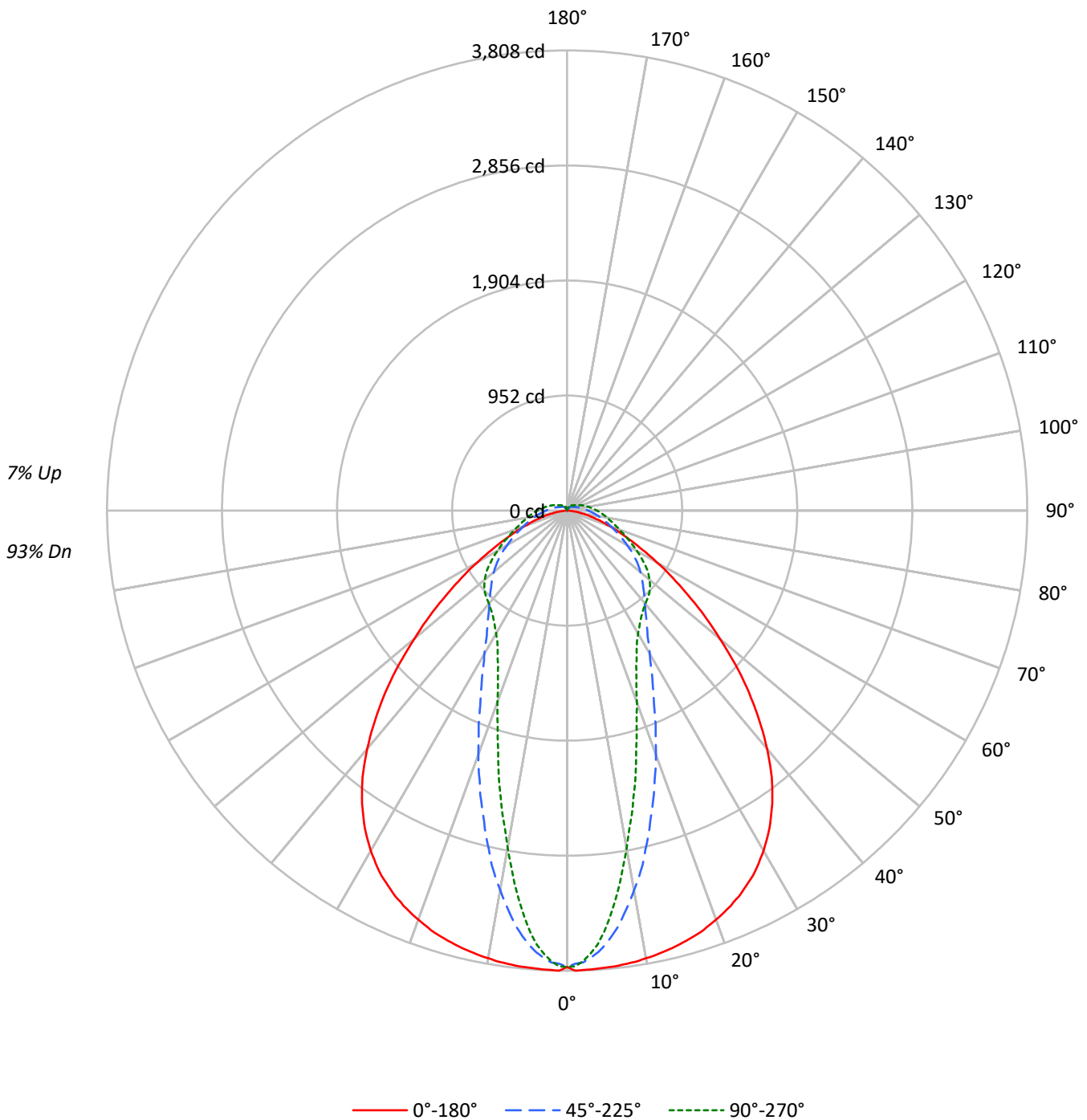
Test Method: LM-79-08  
Report Number: P567944  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-66SL-LN-UNV-L940-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6020.0 lumens  
Efficiency: N/A  
Efficacy: 142.7 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<sub>in</sub>): 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

TEST NUMBER: P567944  
CATALOG NUMBER: 8SNX-66SL-LN-UNV-L940-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567944

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L940-CD

**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	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°	20325	20325	20325
5°	20468	18704	17877
10°	20477	16055	13870
15°	20506	13111	10395
20°	20480	10456	7780
25°	20337	8201	6174
30°	19955	6645	5267
35°	19164	5629	4791
40°	17777	4975	4534
45°	15855	4557	4395
50°	13481	4198	4151
55°	11126	3809	3791
60°	8948	3355	3326
65°	7000	2950	2894
70°	5494	2615	2560
75°	4322	2355	2332
80°	3149	2161	2168
85°	1890	2020	2080



TEST NUMBER: P567944

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.4	5.6
10°-20°	783.9	13.0
20°-30°	930.5	15.5
30°-40°	936.2	15.6
40°-50°	870.2	14.5
50°-60°	716.6	11.9
60°-70°	504.9	8.4
70°-80°	329.9	5.5
80°-90°	210.6	3.5
90°-100°	138.1	2.3
100°-110°	93.8	1.6
110°-120°	64.3	1.1
120°-130°	44.5	0.7
130°-140°	29.9	0.5
140°-150°	18.4	0.3
150°-160°	9.6	0.2
160°-170°	3.5	0.1
170°-180°	0.6	0.0
0°-30°	2048.9	34.0
0°-40°	2985.1	49.6
0°-60°	4571.9	75.9
0°-90°	5617.4	93.3
90°-120°	296.2	4.9
90°-150°	389.0	6.5
90°-180°	403.0	6.7
0°-180°	6020.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3776	3776	3776	3776	3776	
5°	3796	3745	3609	3540	3502	361
15°	3701	3306	2660	2325	2199	1045
25°	3458	2556	1694	1423	1363	1591
35°	2959	1729	1148	1076	1070	1840
45°	2126	1139	890	937	962	1632
55°	1221	748	688	764	789	1103
65°	574	451	473	533	552	583
75°	224	234	319	375	391	242
85°	38	107	214	278	290	48
90°	0	73	174	237	246	2
95°	0	54	145	199	208	0
105°	0	38	98	139	151	0
115°	3	32	69	101	107	3
125°	3	25	57	73	79	3
135°	3	22	44	57	60	2
145°	3	16	32	44	47	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	



TEST NUMBER: P567944

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3776.5	3776.5	3776.5	3776.5	3776.5
1°	3808.1	3792.3	3751.3	3779.7	3773.4
2°	3804.9	3789.1	3741.8	3754.4	3732.4
3°	3801.8	3779.7	3707.1	3704.0	3672.4
4°	3798.6	3763.9	3662.9	3625.1	3599.8
5°	3795.5	3745.0	3609.3	3539.9	3502.0
6°	3792.3	3722.9	3539.9	3435.8	3382.2
7°	3786.0	3688.2	3467.3	3325.4	3256.0
8°	3779.7	3656.6	3375.8	3205.5	3120.3
9°	3773.4	3615.6	3284.3	3076.1	2975.2
10°	3760.8	3574.6	3189.7	2943.6	2836.3
11°	3754.4	3527.3	3098.2	2817.4	2691.2
12°	3741.8	3476.8	3000.4	2684.9	2574.5
13°	3729.2	3423.2	2880.5	2571.3	2438.8
14°	3716.6	3366.4	2776.4	2445.1	2322.1
15°	3700.8	3306.4	2659.7	2325.2	2199.0
16°	3685.0	3237.0	2555.5	2202.2	2069.7
17°	3669.3	3170.8	2457.7	2088.6	1968.7
18°	3650.3	3104.5	2344.2	1978.2	1861.4
19°	3625.1	3028.8	2252.7	1877.2	1770.0
20°	3603.0	2959.4	2148.6	1782.6	1687.9
21°	3577.8	2874.2	2044.4	1694.2	1599.6
22.5°	3539.9	2754.3	1911.9	1583.8	1495.5
23°	3521.0	2719.6	1858.3	1542.8	1467.1
24°	3495.7	2628.1	1770.0	1479.7	1404.0
25°	3457.9	2555.5	1694.2	1422.9	1363.0
26°	3423.2	2467.2	1618.5	1372.4	1312.5
27°	3388.5	2382.0	1552.3	1318.8	1268.3
28°	3344.3	2293.7	1479.7	1274.6	1230.4
29°	3297.0	2211.6	1419.7	1236.8	1202.1
30°	3249.6	2120.2	1369.3	1202.1	1173.7
32.5°	3117.1	1918.2	1239.9	1135.8	1116.9
35°	2959.4	1728.9	1148.4	1075.9	1069.5
37.5°	2782.7	1555.4	1066.4	1028.5	1034.8
40°	2574.5	1397.7	997.0	993.8	1006.4
42.5°	2353.6	1262.0	943.3	965.4	984.4
45°	2126.5	1139.0	889.7	937.0	962.3
47.5°	1889.8	1031.7	842.4	902.3	930.7
50°	1650.1	927.6	791.9	861.3	889.7
52.5°	1435.5	836.1	741.4	814.0	845.5
55°	1221.0	747.7	687.8	763.5	788.7
57.5°	1034.8	665.7	631.0	706.7	725.6
60°	861.3	586.8	574.2	643.6	665.7
62.5°	703.6	517.4	520.6	586.8	608.9
65°	574.2	451.2	473.2	533.2	552.1



TEST NUMBER: P567944

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	466.9	388.1	425.9	489.0	504.8
70°	369.1	331.3	388.1	444.9	460.6
72.5°	293.4	280.8	350.2	410.1	422.8
75°	224.0	233.5	318.7	375.4	391.2
77.5°	160.9	195.6	287.1	347.0	359.7
80°	113.6	160.9	261.9	321.8	334.4
82.5°	72.6	132.5	236.6	299.7	312.3
85°	37.9	107.3	214.5	277.6	290.3
87.5°	15.8	88.3	192.5	255.6	268.2
90°	0.0	72.6	173.5	236.6	246.1
92.5°	0.0	63.1	157.7	217.7	227.2
95°	0.0	53.6	145.1	198.8	208.2
97.5°	0.0	50.5	129.4	183.0	192.5
100°	0.0	44.2	116.7	167.2	179.8
102.5°	0.0	41.0	107.3	151.4	164.1
105°	0.0	37.9	97.8	138.8	151.4
107.5°	0.0	34.7	91.5	129.4	138.8
110°	0.0	34.7	82.0	119.9	129.4
112.5°	3.2	31.5	75.7	107.3	116.7
115°	3.2	31.5	69.4	101.0	107.3
117.5°	3.2	31.5	66.3	91.5	97.8
120°	3.2	28.4	63.1	85.2	91.5
122.5°	3.2	28.4	59.9	78.9	82.0
125°	3.2	25.2	56.8	72.6	78.9
127.5°	3.2	25.2	53.6	69.4	72.6
130°	3.2	25.2	50.5	63.1	69.4
132.5°	3.2	22.1	47.3	59.9	63.1
135°	3.2	22.1	44.2	56.8	59.9
137.5°	3.2	18.9	41.0	53.6	56.8
140°	3.2	18.9	37.9	50.5	53.6
142.5°	3.2	15.8	34.7	47.3	50.5
145°	3.2	15.8	31.5	44.2	47.3
147.5°	3.2	15.8	28.4	41.0	44.2
150°	3.2	12.6	25.2	37.9	41.0
152.5°	3.2	12.6	22.1	34.7	37.9
155°	3.2	12.6	22.1	31.5	34.7
157.5°	3.2	9.5	18.9	25.2	31.5
160°	3.2	9.5	15.8	22.1	28.4
162.5°	3.2	9.5	15.8	18.9	22.1
165°	3.2	6.3	12.6	15.8	18.9
167.5°	3.2	6.3	9.5	12.6	15.8
170°	3.2	6.3	9.5	9.5	12.6
172.5°	3.2	6.3	6.3	6.3	6.3
175°	6.3	6.3	6.3	6.3	3.2
177.5°	6.3	6.3	6.3	3.2	3.2



TEST NUMBER: P567944

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)