

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: P567939

Luminaire Tested: **8SNX-66SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

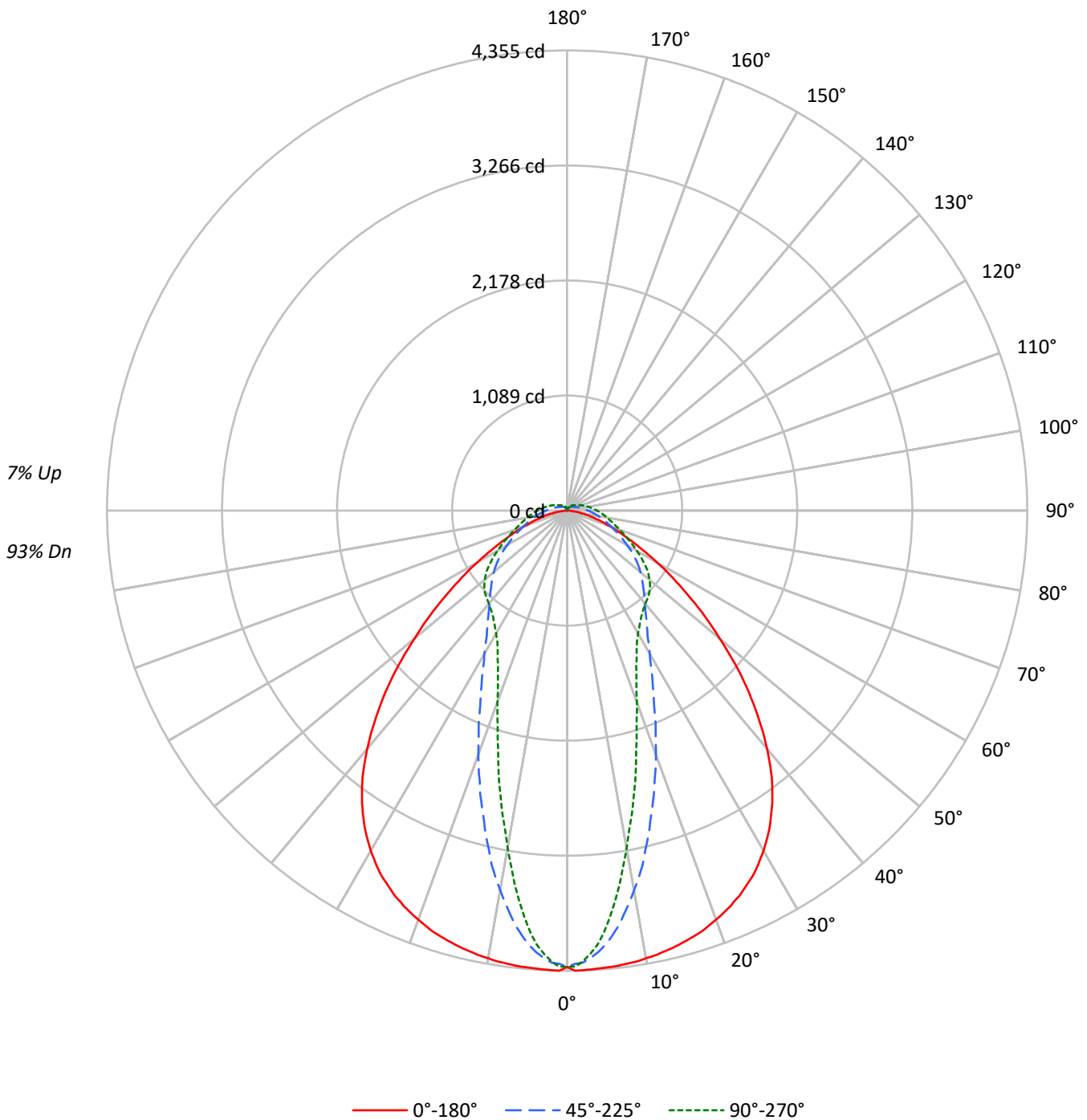
Test Method: LM-79-08  
Report Number: P567939  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-66SL-LN-UNV-L835-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6884.9 lumens  
Efficiency: N/A  
Efficacy: 163.2 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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93	
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	85	83	81	78	
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	76	72	69	67	
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	68	64	60	58	
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	62	57	53	51	
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	56	51	47	45	
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	52	46	42	40	
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	48	42	38	36	
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	44	39	35	33	
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	41	36	32	30	
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	39	34	30	28	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	23246	23246	23246
5°	23409	21391	20446
10°	23419	18362	15863
15°	23452	14995	11889
20°	23423	11958	8898
25°	23258	9380	7061
30°	22822	7599	6023
35°	21918	6438	5479
40°	20331	5690	5186
45°	18133	5211	5026
50°	15418	4801	4747
55°	12724	4356	4336
60°	10234	3837	3804
65°	8005	3374	3310
70°	6284	2990	2927
75°	4943	2692	2667
80°	3601	2471	2480
85°	2160	2311	2378



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.5	5.6
10°-20°	896.6	13.0
20°-30°	1064.2	15.5
30°-40°	1070.7	15.6
40°-50°	995.3	14.5
50°-60°	819.6	11.9
60°-70°	577.5	8.4
70°-80°	377.3	5.5
80°-90°	240.9	3.5
90°-100°	158.0	2.3
100°-110°	107.2	1.6
110°-120°	73.5	1.1
120°-130°	50.9	0.7
130°-140°	34.2	0.5
140°-150°	21.1	0.3
150°-160°	10.9	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2343.3	34.0
0°-40°	3414.0	49.6
0°-60°	5228.9	75.9
0°-90°	6424.5	93.3
90°-120°	338.7	4.9
90°-150°	444.9	6.5
90°-180°	460.0	6.7
0°-180°	6884.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4319	4319	4319	4319	4319	
5°	4341	4283	4128	4048	4005	413
15°	4233	3782	3042	2659	2515	1195
25°	3955	2923	1938	1627	1559	1820
35°	3385	1977	1313	1230	1223	2105
45°	2432	1303	1018	1072	1100	1867
55°	1396	855	787	873	902	1261
65°	657	516	541	610	632	666
75°	256	267	364	429	447	277
85°	43	123	245	318	332	54
90°	0	83	198	271	281	2
95°	0	61	166	227	238	0
105°	0	43	112	159	173	0
115°	4	36	79	116	123	3
125°	4	29	65	83	90	3
135°	4	25	50	65	69	3
145°	4	18	36	50	54	2
155°	4	14	25	36	40	2
165°	4	7	14	18	22	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4319.2	4319.2	4319.2	4319.2	4319.2
1°	4355.2	4337.2	4290.3	4322.8	4315.6
2°	4351.6	4333.6	4279.5	4293.9	4268.7
3°	4348.0	4322.8	4239.8	4236.2	4200.1
4°	4344.4	4304.7	4189.3	4146.0	4117.1
5°	4340.8	4283.1	4127.9	4048.5	4005.2
6°	4337.2	4257.8	4048.5	3929.5	3868.1
7°	4330.0	4218.1	3965.6	3803.2	3723.8
8°	4322.8	4182.1	3860.9	3666.1	3568.6
9°	4315.6	4135.1	3756.3	3518.1	3402.7
10°	4301.1	4088.2	3648.0	3366.6	3243.9
11°	4293.9	4034.1	3543.4	3222.2	3077.9
12°	4279.5	3976.4	3431.5	3070.7	2944.4
13°	4265.0	3915.0	3294.4	2940.8	2789.2
14°	4250.6	3850.1	3175.3	2796.5	2655.7
15°	4232.6	3781.5	3041.8	2659.3	2515.0
16°	4214.5	3702.1	2922.7	2518.6	2367.1
17°	4196.5	3626.4	2810.9	2388.7	2251.6
18°	4174.8	3550.6	2681.0	2262.4	2128.9
19°	4146.0	3464.0	2576.3	2147.0	2024.3
20°	4120.7	3384.6	2457.3	2038.7	1930.5
21°	4091.8	3287.2	2338.2	1937.7	1829.4
22.5°	4048.5	3150.1	2186.6	1811.4	1710.3
23°	4026.9	3110.4	2125.3	1764.5	1677.9
24°	3998.0	3005.7	2024.3	1692.3	1605.7
25°	3954.7	2922.7	1937.7	1627.4	1558.8
26°	3915.0	2821.7	1851.1	1569.6	1501.1
27°	3875.3	2724.3	1775.3	1508.3	1450.5
28°	3824.8	2623.3	1692.3	1457.8	1407.2
29°	3770.7	2529.4	1623.7	1414.5	1374.8
30°	3716.6	2424.8	1566.0	1374.8	1342.3
32.5°	3565.0	2193.9	1418.1	1299.0	1277.3
35°	3384.6	1977.4	1313.4	1230.4	1223.2
37.5°	3182.5	1778.9	1219.6	1176.3	1183.5
40°	2944.4	1598.5	1140.2	1136.6	1151.1
42.5°	2691.8	1443.3	1078.9	1104.1	1125.8
45°	2432.0	1302.6	1017.5	1071.7	1100.5
47.5°	2161.4	1179.9	963.4	1032.0	1064.5
50°	1887.2	1060.8	905.7	985.1	1017.5
52.5°	1641.8	956.2	848.0	930.9	967.0
55°	1396.4	855.2	786.6	873.2	902.1
57.5°	1183.5	761.4	721.7	808.3	829.9
60°	985.1	671.1	656.7	736.1	761.4
62.5°	804.7	591.8	595.4	671.1	696.4
65°	656.7	516.0	541.2	609.8	631.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	534.0	443.8	487.1	559.3	577.3
70°	422.2	378.9	443.8	508.8	526.8
72.5°	335.6	321.1	400.5	469.1	483.5
75°	256.2	267.0	364.4	429.4	447.4
77.5°	184.0	223.7	328.4	396.9	411.3
80°	129.9	184.0	299.5	368.0	382.5
82.5°	83.0	151.5	270.6	342.8	357.2
85°	43.3	122.7	245.4	317.5	332.0
87.5°	18.0	101.0	220.1	292.3	306.7
90°	0.0	83.0	198.5	270.6	281.4
92.5°	0.0	72.2	180.4	249.0	259.8
95°	0.0	61.3	166.0	227.3	238.1
97.5°	0.0	57.7	147.9	209.3	220.1
100°	0.0	50.5	133.5	191.2	205.7
102.5°	0.0	46.9	122.7	173.2	187.6
105°	0.0	43.3	111.9	158.8	173.2
107.5°	0.0	39.7	104.6	147.9	158.8
110°	0.0	39.7	93.8	137.1	147.9
112.5°	3.6	36.1	86.6	122.7	133.5
115°	3.6	36.1	79.4	115.5	122.7
117.5°	3.6	36.1	75.8	104.6	111.9
120°	3.6	32.5	72.2	97.4	104.6
122.5°	3.6	32.5	68.6	90.2	93.8
125°	3.6	28.9	64.9	83.0	90.2
127.5°	3.6	28.9	61.3	79.4	83.0
130°	3.6	28.9	57.7	72.2	79.4
132.5°	3.6	25.3	54.1	68.6	72.2
135°	3.6	25.3	50.5	64.9	68.6
137.5°	3.6	21.6	46.9	61.3	64.9
140°	3.6	21.6	43.3	57.7	61.3
142.5°	3.6	18.0	39.7	54.1	57.7
145°	3.6	18.0	36.1	50.5	54.1
147.5°	3.6	18.0	32.5	46.9	50.5
150°	3.6	14.4	28.9	43.3	46.9
152.5°	3.6	14.4	25.3	39.7	43.3
155°	3.6	14.4	25.3	36.1	39.7
157.5°	3.6	10.8	21.6	28.9	36.1
160°	3.6	10.8	18.0	25.3	32.5
162.5°	3.6	10.8	18.0	21.6	25.3
165°	3.6	7.2	14.4	18.0	21.6
167.5°	3.6	7.2	10.8	14.4	18.0
170°	3.6	7.2	10.8	10.8	14.4
172.5°	3.6	7.2	7.2	7.2	7.2
175°	7.2	7.2	7.2	7.2	3.6
177.5°	7.2	7.2	7.2	3.6	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)