

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: P567895

Luminaire Tested: **8SNX-62SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567895
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-62SL-LN-UNV-L935-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

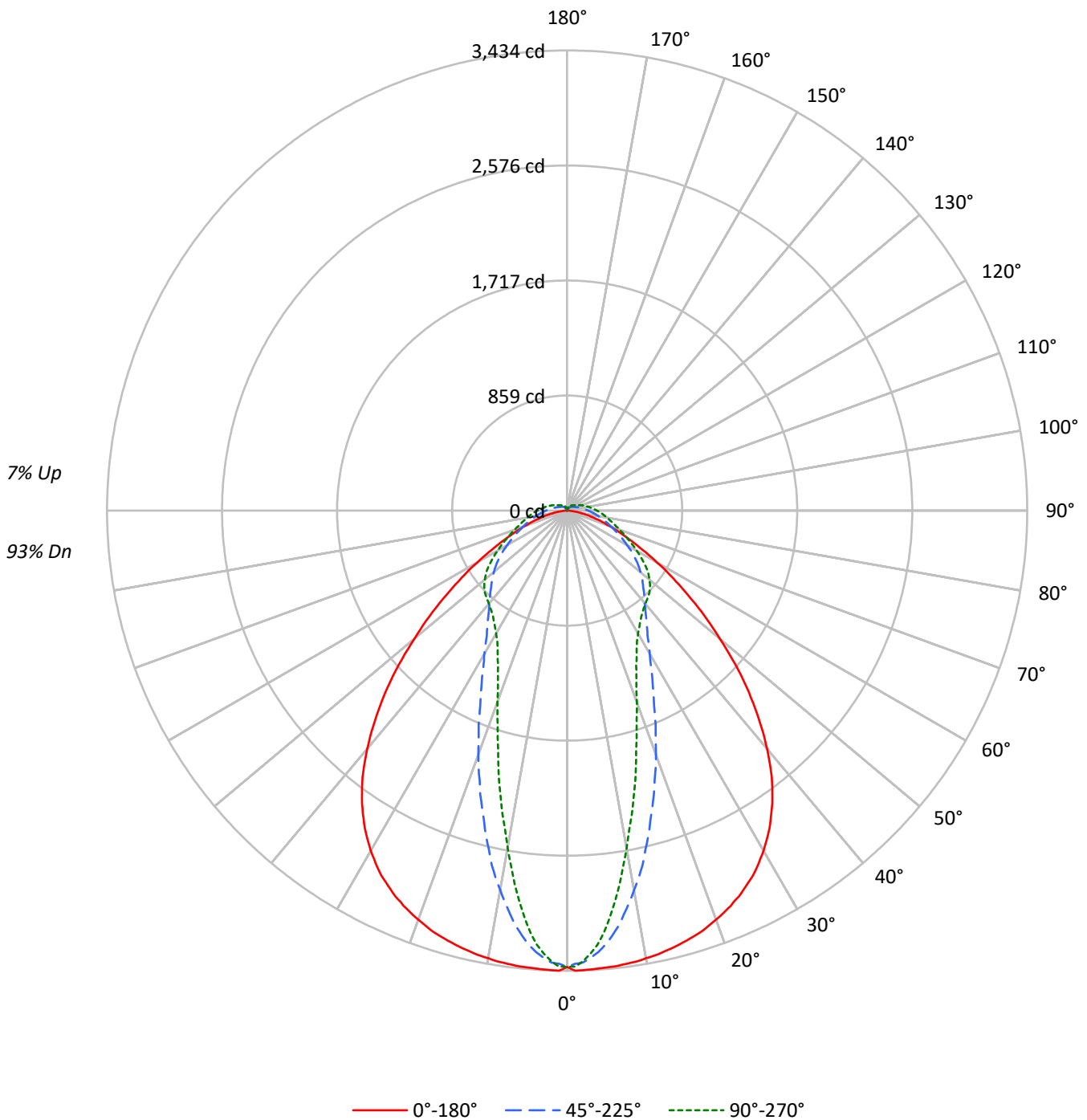
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5429.0 lumens
Efficiency: N/A
Efficacy: 139.2 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): 39
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	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°	18330	18330	18330
5°	18458	16868	16122
10°	18467	14479	12508
15°	18493	11824	9375
20°	18470	9429	7016
25°	18340	7396	5568
30°	17996	5992	4749
35°	17283	5077	4320
40°	16031	4487	4089
45°	14298	4109	3963
50°	12158	3786	3744
55°	10033	3435	3419
60°	8070	3026	2999
65°	6312	2661	2610
70°	4955	2358	2308
75°	3897	2124	2103
80°	2838	1949	1955
85°	1701	1822	1875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.6	5.6
10°-20°	707.0	13.0
20°-30°	839.2	15.5
30°-40°	844.3	15.6
40°-50°	784.8	14.5
50°-60°	646.2	11.9
60°-70°	455.4	8.4
70°-80°	297.5	5.5
80°-90°	189.9	3.5
90°-100°	124.6	2.3
100°-110°	84.6	1.6
110°-120°	58.0	1.1
120°-130°	40.1	0.7
130°-140°	27.0	0.5
140°-150°	16.6	0.3
150°-160°	8.6	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1847.7	34.0
0°-40°	2692.0	49.6
0°-60°	4123.1	75.9
0°-90°	5065.9	93.3
90°-120°	267.1	4.9
90°-150°	350.8	6.5
90°-180°	363.0	6.7
0°-180°	5429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3406	3406	3406	3406	3406	
5°	3423	3377	3255	3192	3158	326
15°	3338	2982	2399	2097	1983	943
25°	3118	2305	1528	1283	1229	1435
35°	2669	1559	1036	970	964	1660
45°	1918	1027	802	845	868	1472
55°	1101	674	620	689	711	994
65°	518	407	427	481	498	525
75°	202	210	287	339	353	218
85°	34	97	194	250	262	43
90°	0	65	156	213	222	2
95°	0	48	131	179	188	0
105°	0	34	88	125	137	0
115°	3	28	63	91	97	2
125°	3	23	51	65	71	3
135°	3	20	40	51	54	2
145°	3	14	28	40	43	2
155°	3	11	20	28	31	1
165°	3	6	11	14	17	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 8SNX-62SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3405.8	3405.8	3405.8	3405.8	3405.8
1°	3434.2	3420.0	3383.0	3408.6	3402.9
2°	3431.4	3417.2	3374.5	3385.9	3365.9
3°	3428.5	3408.6	3343.2	3340.3	3311.9
4°	3425.7	3394.4	3303.3	3269.2	3246.4
5°	3422.8	3377.3	3255.0	3192.4	3158.2
6°	3420.0	3357.4	3192.4	3098.5	3050.1
7°	3414.3	3326.1	3126.9	2998.9	2936.3
8°	3408.6	3297.7	3044.4	2890.8	2814.0
9°	3402.9	3260.7	2961.9	2774.1	2683.1
10°	3391.5	3223.7	2876.6	2654.6	2557.9
11°	3385.9	3181.0	2794.0	2540.8	2427.0
12°	3374.5	3135.5	2705.8	2421.3	2321.7
13°	3363.1	3087.1	2597.7	2318.9	2199.4
14°	3351.7	3035.9	2503.8	2205.1	2094.1
15°	3337.5	2981.8	2398.6	2097.0	1983.1
16°	3323.3	2919.2	2304.7	1986.0	1866.5
17°	3309.0	2859.5	2216.5	1883.6	1775.4
18°	3292.0	2799.7	2114.0	1784.0	1678.7
19°	3269.2	2731.4	2031.5	1692.9	1596.2
20°	3249.3	2668.9	1937.6	1607.6	1522.2
21°	3226.5	2592.0	1843.7	1527.9	1442.5
22.5°	3192.4	2483.9	1724.2	1428.3	1348.7
23°	3175.3	2452.6	1675.9	1391.3	1323.0
24°	3152.5	2370.1	1596.2	1334.4	1266.1
25°	3118.4	2304.7	1527.9	1283.2	1229.2
26°	3087.1	2225.0	1459.6	1237.7	1183.6
27°	3055.8	2148.2	1399.9	1189.3	1143.8
28°	3016.0	2068.5	1334.4	1149.5	1109.7
29°	2973.3	1994.5	1280.4	1115.3	1084.0
30°	2930.6	1912.0	1234.8	1084.0	1058.4
32.5°	2811.1	1729.9	1118.2	1024.3	1007.2
35°	2668.9	1559.2	1035.7	970.2	964.5
37.5°	2509.5	1402.7	961.7	927.6	933.2
40°	2321.7	1260.4	899.1	896.3	907.6
42.5°	2122.6	1138.1	850.7	870.6	887.7
45°	1917.7	1027.1	802.4	845.0	867.8
47.5°	1704.3	930.4	759.7	813.7	839.4
50°	1488.1	836.5	714.2	776.8	802.4
52.5°	1294.6	754.0	668.6	734.1	762.5
55°	1101.1	674.3	620.3	688.6	711.3
57.5°	933.2	600.3	569.1	637.3	654.4
60°	776.8	529.2	517.8	580.4	600.3
62.5°	634.5	466.6	469.5	529.2	549.1
65°	517.8	406.9	426.8	480.8	497.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	421.1	350.0	384.1	441.0	455.2
70°	332.9	298.8	350.0	401.2	415.4
72.5°	264.6	253.2	315.8	369.9	381.3
75°	202.0	210.5	287.4	338.6	352.8
77.5°	145.1	176.4	258.9	313.0	324.4
80°	102.4	145.1	236.2	290.2	301.6
82.5°	65.4	119.5	213.4	270.3	281.7
85°	34.1	96.7	193.5	250.4	261.8
87.5°	14.2	79.7	173.6	230.5	241.8
90°	0.0	65.4	156.5	213.4	221.9
92.5°	0.0	56.9	142.3	196.3	204.9
95°	0.0	48.4	130.9	179.3	187.8
97.5°	0.0	45.5	116.7	165.0	173.6
100°	0.0	39.8	105.3	150.8	162.2
102.5°	0.0	37.0	96.7	136.6	148.0
105°	0.0	34.1	88.2	125.2	136.6
107.5°	0.0	31.3	82.5	116.7	125.2
110°	0.0	31.3	74.0	108.1	116.7
112.5°	2.8	28.5	68.3	96.7	105.3
115°	2.8	28.5	62.6	91.0	96.7
117.5°	2.8	28.5	59.8	82.5	88.2
120°	2.8	25.6	56.9	76.8	82.5
122.5°	2.8	25.6	54.1	71.1	74.0
125°	2.8	22.8	51.2	65.4	71.1
127.5°	2.8	22.8	48.4	62.6	65.4
130°	2.8	22.8	45.5	56.9	62.6
132.5°	2.8	19.9	42.7	54.1	56.9
135°	2.8	19.9	39.8	51.2	54.1
137.5°	2.8	17.1	37.0	48.4	51.2
140°	2.8	17.1	34.1	45.5	48.4
142.5°	2.8	14.2	31.3	42.7	45.5
145°	2.8	14.2	28.5	39.8	42.7
147.5°	2.8	14.2	25.6	37.0	39.8
150°	2.8	11.4	22.8	34.1	37.0
152.5°	2.8	11.4	19.9	31.3	34.1
155°	2.8	11.4	19.9	28.5	31.3
157.5°	2.8	8.5	17.1	22.8	28.5
160°	2.8	8.5	14.2	19.9	25.6
162.5°	2.8	8.5	14.2	17.1	19.9
165°	2.8	5.7	11.4	14.2	17.1
167.5°	2.8	5.7	8.5	11.4	14.2
170°	2.8	5.7	8.5	8.5	11.4
172.5°	2.8	5.7	5.7	5.7	5.7
175°	5.7	5.7	5.7	5.7	2.8
177.5°	5.7	5.7	5.7	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)