

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: P567894

Luminaire Tested: **8SNX-62SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567894
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-L930-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

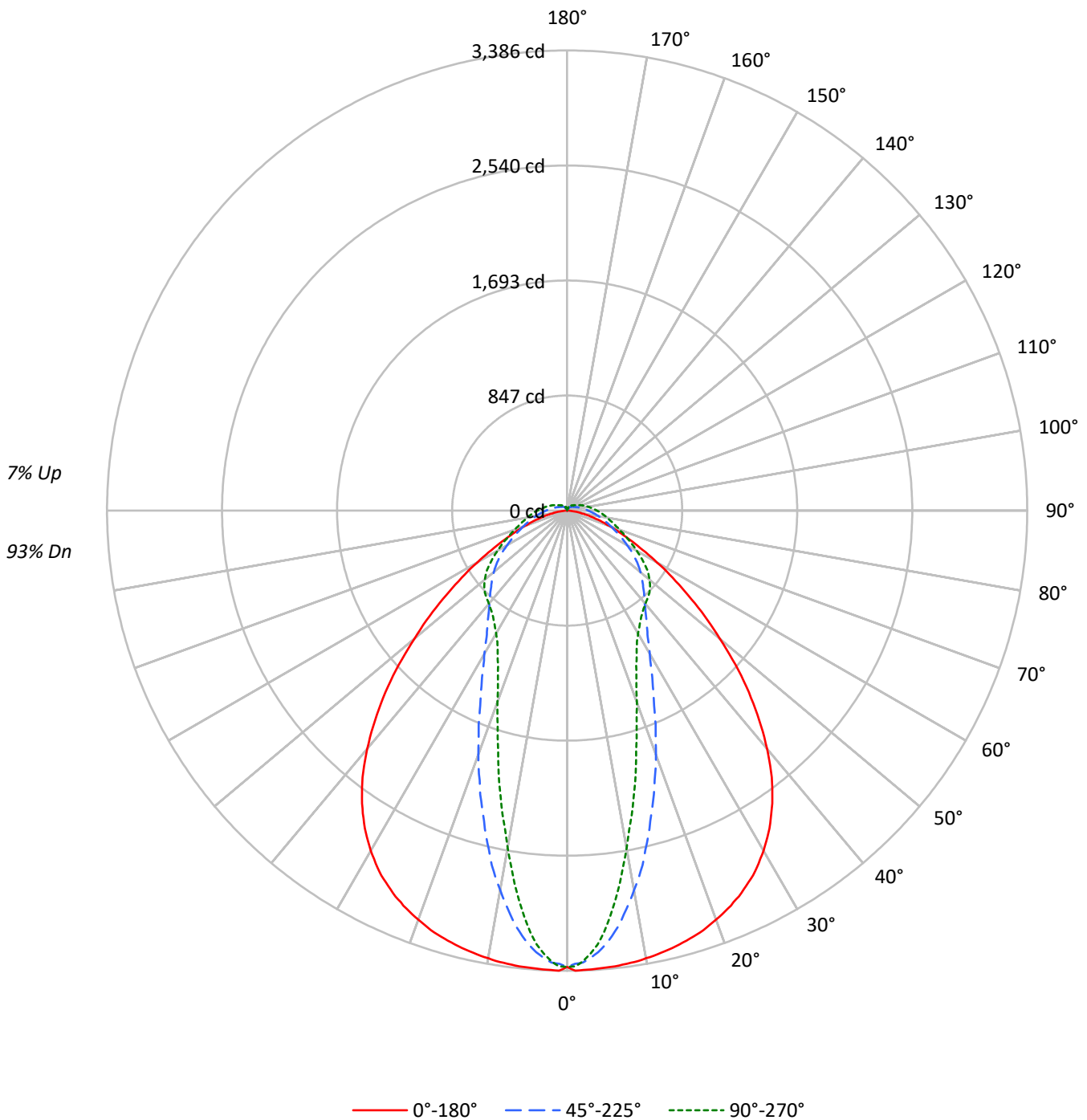
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5353.0 lumens
Efficiency: N/A
Efficacy: 137.3 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 (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	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°	18073	18073	18073
5°	18200	16631	15896
10°	18209	14277	12333
15°	18234	11659	9244
20°	18211	9297	6918
25°	18083	7293	5490
30°	17744	5908	4683
35°	17041	5006	4260
40°	15807	4424	4032
45°	14098	4052	3908
50°	11987	3733	3691
55°	9893	3387	3371
60°	7957	2984	2957
65°	6224	2624	2573
70°	4885	2325	2276
75°	3843	2093	2074
80°	2800	1921	1928
85°	1681	1797	1849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.4	5.6
10°-20°	697.1	13.0
20°-30°	827.4	15.5
30°-40°	832.5	15.6
40°-50°	773.8	14.5
50°-60°	637.2	11.9
60°-70°	449.0	8.4
70°-80°	293.3	5.5
80°-90°	187.3	3.5
90°-100°	122.8	2.3
100°-110°	83.4	1.6
110°-120°	57.2	1.1
120°-130°	39.5	0.7
130°-140°	26.6	0.5
140°-150°	16.4	0.3
150°-160°	8.5	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1821.9	34.0
0°-40°	2654.4	49.6
0°-60°	4065.4	75.9
0°-90°	4995.0	93.3
90°-120°	263.4	4.9
90°-150°	345.9	6.5
90°-180°	358.0	6.7
0°-180°	5353.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3358	3358	3358	3358	3358	
5°	3375	3330	3209	3148	3114	321
15°	3291	2940	2365	2068	1955	929
25°	3075	2272	1506	1265	1212	1415
35°	2632	1537	1021	957	951	1637
45°	1891	1013	791	833	856	1452
55°	1086	665	612	679	701	981
65°	511	401	421	474	491	518
75°	199	208	283	334	348	215
85°	34	95	191	247	258	42
90°	0	64	154	210	219	2
95°	0	48	129	177	185	0
105°	0	34	87	123	135	0
115°	3	28	62	90	95	2
125°	3	22	50	64	70	3
135°	3	20	39	50	53	2
145°	3	14	28	39	42	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3358.1	3358.1	3358.1	3358.1	3358.1
1°	3386.2	3372.1	3335.7	3360.9	3355.3
2°	3383.3	3369.3	3327.2	3338.5	3318.8
3°	3380.5	3360.9	3296.4	3293.6	3265.5
4°	3377.7	3346.9	3257.1	3223.4	3201.0
5°	3374.9	3330.0	3209.4	3147.7	3114.0
6°	3372.1	3310.4	3147.7	3055.1	3007.4
7°	3366.5	3279.5	3083.2	2956.9	2895.2
8°	3360.9	3251.5	3001.8	2850.3	2774.6
9°	3355.3	3215.0	2920.5	2735.3	2645.5
10°	3344.1	3178.5	2836.3	2617.5	2522.1
11°	3338.5	3136.5	2754.9	2505.2	2393.0
12°	3327.2	3091.6	2668.0	2387.4	2289.2
13°	3316.0	3043.9	2561.4	2286.4	2168.6
14°	3304.8	2993.4	2468.8	2174.2	2064.8
15°	3290.8	2940.1	2365.0	2067.6	1955.4
16°	3276.7	2878.4	2272.4	1958.2	1840.4
17°	3262.7	2819.5	2185.4	1857.2	1750.6
18°	3245.9	2760.5	2084.4	1759.0	1655.2
19°	3223.4	2693.2	2003.1	1669.2	1573.8
20°	3203.8	2631.5	1910.5	1585.1	1500.9
21°	3181.4	2555.7	1817.9	1506.5	1422.4
22.5°	3147.7	2449.1	1700.1	1408.3	1329.8
23°	3130.9	2418.3	1652.4	1371.9	1304.5
24°	3108.4	2336.9	1573.8	1315.7	1248.4
25°	3074.7	2272.4	1506.5	1265.2	1211.9
26°	3043.9	2193.8	1439.2	1220.4	1167.1
27°	3013.0	2118.1	1380.3	1172.7	1127.8
28°	2973.8	2039.5	1315.7	1133.4	1094.1
29°	2931.7	1966.6	1262.4	1099.7	1068.9
30°	2889.6	1885.2	1217.6	1068.9	1043.6
32.5°	2771.8	1705.7	1102.5	1010.0	993.1
35°	2631.5	1537.4	1021.2	956.7	951.0
37.5°	2474.4	1383.1	948.2	914.6	920.2
40°	2289.2	1242.8	886.5	883.7	894.9
42.5°	2092.8	1122.2	838.8	858.5	875.3
45°	1890.9	1012.8	791.1	833.2	855.7
47.5°	1680.5	917.4	749.0	802.4	827.6
50°	1467.2	824.8	704.2	765.9	791.1
52.5°	1276.5	743.4	659.3	723.8	751.9
55°	1085.7	664.9	611.6	678.9	701.4
57.5°	920.2	591.9	561.1	628.4	645.2
60°	765.9	521.8	510.6	572.3	591.9
62.5°	625.6	460.1	462.9	521.8	541.4
65°	510.6	401.2	420.8	474.1	490.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	415.2	345.1	378.7	434.8	448.9
70°	328.2	294.6	345.1	395.6	409.6
72.5°	260.9	249.7	311.4	364.7	375.9
75°	199.2	207.6	283.3	333.8	347.9
77.5°	143.1	173.9	255.3	308.6	319.8
80°	101.0	143.1	232.9	286.2	297.4
82.5°	64.5	117.8	210.4	266.5	277.7
85°	33.7	95.4	190.8	246.9	258.1
87.5°	14.0	78.6	171.1	227.2	238.5
90°	0.0	64.5	154.3	210.4	218.8
92.5°	0.0	56.1	140.3	193.6	202.0
95°	0.0	47.7	129.0	176.7	185.2
97.5°	0.0	44.9	115.0	162.7	171.1
100°	0.0	39.3	103.8	148.7	159.9
102.5°	0.0	36.5	95.4	134.7	145.9
105°	0.0	33.7	87.0	123.4	134.7
107.5°	0.0	30.9	81.4	115.0	123.4
110°	0.0	30.9	72.9	106.6	115.0
112.5°	2.8	28.1	67.3	95.4	103.8
115°	2.8	28.1	61.7	89.8	95.4
117.5°	2.8	28.1	58.9	81.4	87.0
120°	2.8	25.2	56.1	75.7	81.4
122.5°	2.8	25.2	53.3	70.1	72.9
125°	2.8	22.4	50.5	64.5	70.1
127.5°	2.8	22.4	47.7	61.7	64.5
130°	2.8	22.4	44.9	56.1	61.7
132.5°	2.8	19.6	42.1	53.3	56.1
135°	2.8	19.6	39.3	50.5	53.3
137.5°	2.8	16.8	36.5	47.7	50.5
140°	2.8	16.8	33.7	44.9	47.7
142.5°	2.8	14.0	30.9	42.1	44.9
145°	2.8	14.0	28.1	39.3	42.1
147.5°	2.8	14.0	25.2	36.5	39.3
150°	2.8	11.2	22.4	33.7	36.5
152.5°	2.8	11.2	19.6	30.9	33.7
155°	2.8	11.2	19.6	28.1	30.9
157.5°	2.8	8.4	16.8	22.4	28.1
160°	2.8	8.4	14.0	19.6	25.2
162.5°	2.8	8.4	14.0	16.8	19.6
165°	2.8	5.6	11.2	14.0	16.8
167.5°	2.8	5.6	8.4	11.2	14.0
170°	2.8	5.6	8.4	8.4	11.2
172.5°	2.8	5.6	5.6	5.6	5.6
175°	5.6	5.6	5.6	5.6	2.8
177.5°	5.6	5.6	5.6	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)