

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: P567943

Luminaire Tested: **8SNX-66SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567943
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-L935-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

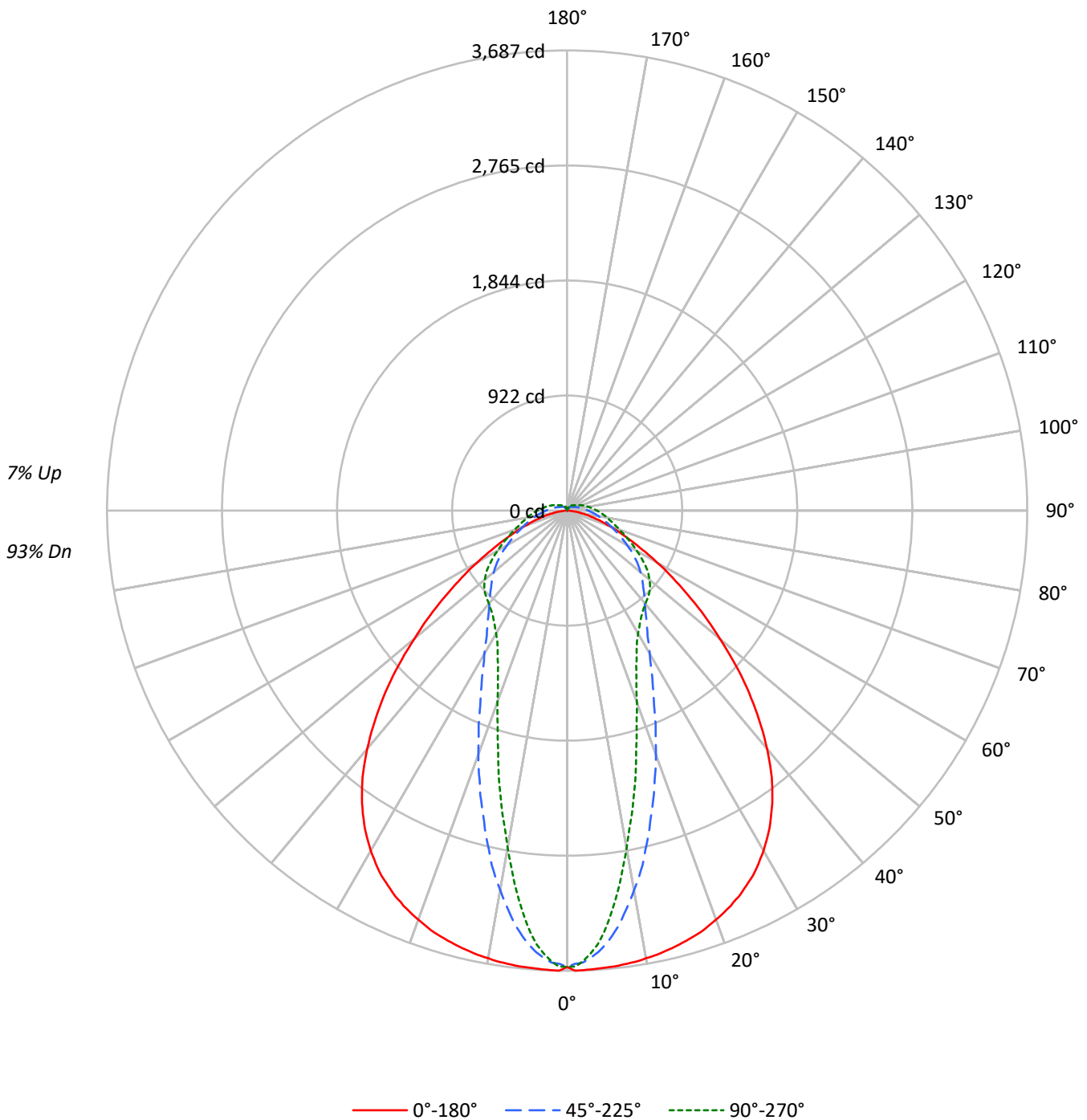
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5829.0 lumens
Efficiency: N/A
Efficacy: 138.1 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_{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

TEST NUMBER: P567943
CATALOG NUMBER: 8SNX-66SL-LN-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567943

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L935-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	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°	19680	19680	19680
5°	19818	18110	17310
10°	19827	15546	13430
15°	19855	12695	10066
20°	19831	10124	7533
25°	19691	7942	5978
30°	19322	6434	5099
35°	18556	5451	4639
40°	17213	4817	4390
45°	15352	4412	4255
50°	13053	4065	4020
55°	10772	3688	3671
60°	8664	3249	3220
65°	6778	2857	2802
70°	5319	2532	2478
75°	4185	2279	2258
80°	3049	2092	2099
85°	1830	1956	2014



TEST NUMBER: P567943

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.8	5.6
10°-20°	759.1	13.0
20°-30°	901.0	15.5
30°-40°	906.5	15.6
40°-50°	842.6	14.5
50°-60°	693.9	11.9
60°-70°	488.9	8.4
70°-80°	319.4	5.5
80°-90°	203.9	3.5
90°-100°	133.7	2.3
100°-110°	90.8	1.6
110°-120°	62.2	1.1
120°-130°	43.1	0.7
130°-140°	29.0	0.5
140°-150°	17.9	0.3
150°-160°	9.3	0.2
160°-170°	3.4	0.1
170°-180°	0.6	0.0
0°-30°	1983.9	34.0
0°-40°	2890.4	49.6
0°-60°	4426.9	75.9
0°-90°	5439.2	93.3
90°-120°	286.8	4.9
90°-150°	376.7	6.5
90°-180°	390.0	6.7
0°-180°	5829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3657	3657	3657	3657	3657	
5°	3675	3626	3495	3428	3391	350
15°	3583	3202	2575	2252	2129	1012
25°	3348	2474	1640	1378	1320	1541
35°	2866	1674	1112	1042	1036	1782
45°	2059	1103	862	907	932	1581
55°	1182	724	666	739	764	1068
65°	556	437	458	516	535	564
75°	217	226	308	364	379	235
85°	37	104	208	269	281	46
90°	0	70	168	229	238	2
95°	0	52	140	192	202	0
105°	0	37	95	134	147	0
115°	3	30	67	98	104	3
125°	3	24	55	70	76	3
135°	3	21	43	55	58	2
145°	3	15	30	43	46	2
155°	3	12	21	30	34	1
165°	3	6	12	15	18	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P567943

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3656.7	3656.7	3656.7	3656.7	3656.7
1°	3687.3	3672.0	3632.3	3659.8	3653.7
2°	3684.2	3668.9	3623.1	3635.3	3613.9
3°	3681.1	3659.8	3589.5	3586.4	3555.9
4°	3678.1	3644.5	3546.7	3510.1	3485.6
5°	3675.0	3626.2	3494.8	3427.6	3390.9
6°	3672.0	3604.8	3427.6	3326.8	3274.8
7°	3665.9	3571.2	3357.3	3219.9	3152.6
8°	3659.8	3540.6	3268.7	3103.8	3021.3
9°	3653.7	3500.9	3180.1	2978.5	2880.8
10°	3641.4	3461.2	3088.5	2850.2	2746.3
11°	3635.3	3415.4	2999.9	2728.0	2605.8
12°	3623.1	3366.5	2905.2	2599.7	2492.8
13°	3610.9	3314.6	2789.1	2489.7	2361.4
14°	3598.7	3259.6	2688.3	2367.5	2248.4
15°	3583.4	3201.5	2575.3	2251.5	2129.3
16°	3568.1	3134.3	2474.5	2132.3	2004.0
17°	3552.8	3070.2	2379.8	2022.3	1906.3
18°	3534.5	3006.0	2269.8	1915.4	1802.4
19°	3510.1	2932.7	2181.2	1817.7	1713.8
20°	3488.7	2865.5	2080.4	1726.0	1634.4
21°	3464.2	2783.0	1979.6	1640.5	1548.8
22.5°	3427.6	2666.9	1851.3	1533.6	1448.0
23°	3409.3	2633.3	1799.3	1493.8	1420.5
24°	3384.8	2544.7	1713.8	1432.7	1359.4
25°	3348.2	2474.5	1640.5	1377.8	1319.7
26°	3314.6	2388.9	1567.2	1328.9	1270.8
27°	3281.0	2306.4	1503.0	1276.9	1228.1
28°	3238.2	2220.9	1432.7	1234.2	1191.4
29°	3192.4	2141.5	1374.7	1197.5	1163.9
30°	3146.5	2052.9	1325.8	1163.9	1136.4
32.5°	3018.2	1857.4	1200.6	1099.8	1081.4
35°	2865.5	1674.1	1112.0	1041.7	1035.6
37.5°	2694.4	1506.1	1032.6	995.9	1002.0
40°	2492.8	1353.3	965.3	962.3	974.5
42.5°	2278.9	1222.0	913.4	934.8	953.1
45°	2059.0	1102.8	861.5	907.3	931.7
47.5°	1829.9	998.9	815.7	873.7	901.2
50°	1597.7	898.1	766.8	834.0	861.5
52.5°	1390.0	809.5	717.9	788.2	818.7
55°	1182.2	724.0	666.0	739.3	763.7
57.5°	1002.0	644.6	611.0	684.3	702.6
60°	834.0	568.2	556.0	623.2	644.6
62.5°	681.2	501.0	504.1	568.2	589.6
65°	556.0	436.8	458.2	516.3	534.6



TEST NUMBER: P567943

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	452.1	375.8	412.4	473.5	488.8
70°	357.4	320.8	375.8	430.7	446.0
72.5°	284.1	271.9	339.1	397.1	409.4
75°	216.9	226.1	308.5	363.5	378.8
77.5°	155.8	189.4	278.0	336.0	348.3
80°	110.0	155.8	253.6	311.6	323.8
82.5°	70.3	128.3	229.1	290.2	302.4
85°	36.7	103.9	207.7	268.8	281.1
87.5°	15.3	85.5	186.3	247.4	259.7
90°	0.0	70.3	168.0	229.1	238.3
92.5°	0.0	61.1	152.7	210.8	220.0
95°	0.0	51.9	140.5	192.5	201.6
97.5°	0.0	48.9	125.3	177.2	186.3
100°	0.0	42.8	113.0	161.9	174.1
102.5°	0.0	39.7	103.9	146.6	158.9
105°	0.0	36.7	94.7	134.4	146.6
107.5°	0.0	33.6	88.6	125.3	134.4
110°	0.0	33.6	79.4	116.1	125.3
112.5°	3.1	30.5	73.3	103.9	113.0
115°	3.1	30.5	67.2	97.8	103.9
117.5°	3.1	30.5	64.2	88.6	94.7
120°	3.1	27.5	61.1	82.5	88.6
122.5°	3.1	27.5	58.0	76.4	79.4
125°	3.1	24.4	55.0	70.3	76.4
127.5°	3.1	24.4	51.9	67.2	70.3
130°	3.1	24.4	48.9	61.1	67.2
132.5°	3.1	21.4	45.8	58.0	61.1
135°	3.1	21.4	42.8	55.0	58.0
137.5°	3.1	18.3	39.7	51.9	55.0
140°	3.1	18.3	36.7	48.9	51.9
142.5°	3.1	15.3	33.6	45.8	48.9
145°	3.1	15.3	30.5	42.8	45.8
147.5°	3.1	15.3	27.5	39.7	42.8
150°	3.1	12.2	24.4	36.7	39.7
152.5°	3.1	12.2	21.4	33.6	36.7
155°	3.1	12.2	21.4	30.5	33.6
157.5°	3.1	9.2	18.3	24.4	30.5
160°	3.1	9.2	15.3	21.4	27.5
162.5°	3.1	9.2	15.3	18.3	21.4
165°	3.1	6.1	12.2	15.3	18.3
167.5°	3.1	6.1	9.2	12.2	15.3
170°	3.1	6.1	9.2	9.2	12.2
172.5°	3.1	6.1	6.1	6.1	6.1
175°	6.1	6.1	6.1	6.1	3.1
177.5°	6.1	6.1	6.1	3.1	3.1



TEST NUMBER: P567943

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)