

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: P567938

Luminaire Tested: **8SNX-66SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567938
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-L830-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

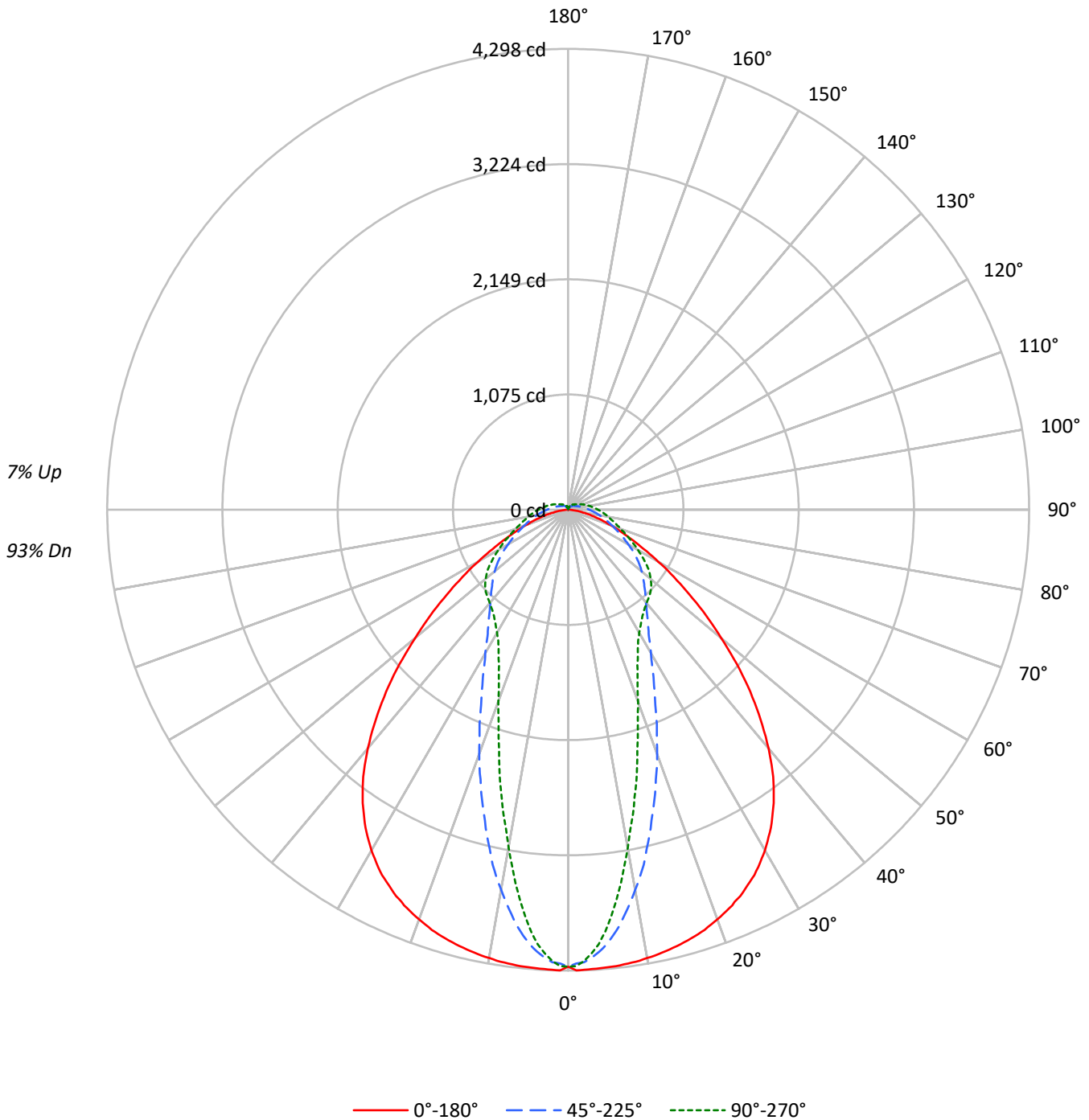
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6794.0 lumens
Efficiency: N/A
Efficacy: 161.0 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

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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	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°	22938	22938	22938
5°	23099	21109	20176
10°	23110	18120	15653
15°	23142	14797	11732
20°	23113	11800	8780
25°	22951	9256	6968
30°	22521	7499	5944
35°	21628	6353	5407
40°	20062	5615	5117
45°	17893	5142	4959
50°	15214	4738	4685
55°	12556	4299	4279
60°	10099	3787	3753
65°	7899	3330	3266
70°	6201	2951	2889
75°	4878	2657	2632
80°	3554	2438	2447
85°	2130	2280	2347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.4	5.6
10°-20°	884.7	13.0
20°-30°	1050.2	15.5
30°-40°	1056.6	15.6
40°-50°	982.1	14.5
50°-60°	808.7	11.9
60°-70°	569.9	8.4
70°-80°	372.3	5.5
80°-90°	237.7	3.5
90°-100°	155.9	2.3
100°-110°	105.8	1.6
110°-120°	72.5	1.1
120°-130°	50.2	0.7
130°-140°	33.8	0.5
140°-150°	20.8	0.3
150°-160°	10.8	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2312.3	34.0
0°-40°	3368.9	49.6
0°-60°	5159.8	75.9
0°-90°	6339.6	93.3
90°-120°	334.3	4.9
90°-150°	439.0	6.5
90°-180°	454.0	6.7
0°-180°	6794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4262	4262	4262	4262	4262	
5°	4283	4226	4073	3995	3952	408
15°	4177	3732	3002	2624	2482	1180
25°	3902	2884	1912	1606	1538	1796
35°	3340	1951	1296	1214	1207	2077
45°	2400	1285	1004	1058	1086	1842
55°	1378	844	776	862	890	1245
65°	648	509	534	602	623	657
75°	253	264	360	424	442	273
85°	43	121	242	313	328	54
90°	0	82	196	267	278	2
95°	0	60	164	224	235	0
105°	0	43	110	157	171	0
115°	4	36	78	114	121	3
125°	4	28	64	82	89	3
135°	4	25	50	64	68	3
145°	4	18	36	50	53	2
155°	4	14	25	36	39	2
165°	4	7	14	18	21	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-66SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4262.1	4262.1	4262.1	4262.1	4262.1
1°	4297.7	4279.9	4233.6	4265.6	4258.5
2°	4294.1	4276.3	4222.9	4237.2	4212.2
3°	4290.6	4265.6	4183.7	4180.2	4144.6
4°	4287.0	4247.8	4133.9	4091.2	4062.7
5°	4283.4	4226.5	4073.4	3995.0	3952.3
6°	4279.9	4201.5	3995.0	3877.5	3817.0
7°	4272.8	4162.4	3913.1	3752.9	3674.6
8°	4265.6	4126.8	3809.9	3617.6	3521.5
9°	4258.5	4080.5	3706.6	3471.6	3357.7
10°	4244.3	4034.2	3599.8	3322.1	3201.0
11°	4237.2	3980.8	3496.5	3179.6	3037.2
12°	4222.9	3923.8	3386.2	3030.1	2905.5
13°	4208.7	3863.3	3250.9	2901.9	2752.4
14°	4194.4	3799.2	3133.4	2759.5	2620.6
15°	4176.6	3731.5	3001.6	2624.2	2481.8
16°	4158.8	3653.2	2884.1	2485.3	2335.8
17°	4141.0	3578.4	2773.7	2357.1	2221.8
18°	4119.7	3503.7	2645.6	2232.5	2100.8
19°	4091.2	3418.2	2542.3	2118.6	1997.5
20°	4066.2	3339.9	2424.8	2011.8	1904.9
21°	4037.8	3243.7	2307.3	1912.1	1805.2
22.5°	3995.0	3108.4	2157.7	1787.4	1687.7
23°	3973.7	3069.3	2097.2	1741.2	1655.7
24°	3945.2	2966.0	1997.5	1669.9	1584.5
25°	3902.5	2884.1	1912.1	1605.8	1538.2
26°	3863.3	2784.4	1826.6	1548.9	1481.2
27°	3824.1	2688.3	1751.8	1488.3	1431.4
28°	3774.3	2588.6	1669.9	1438.5	1388.6
29°	3720.9	2496.0	1602.3	1395.8	1356.6
30°	3667.5	2392.7	1545.3	1356.6	1324.6
32.5°	3517.9	2164.9	1399.3	1281.8	1260.5
35°	3339.9	1951.2	1296.1	1214.2	1207.1
37.5°	3140.5	1755.4	1203.5	1160.8	1167.9
40°	2905.5	1577.4	1125.2	1121.6	1135.8
42.5°	2656.2	1424.3	1064.6	1089.6	1110.9
45°	2399.9	1285.4	1004.1	1057.5	1086.0
47.5°	2132.8	1164.3	950.7	1018.3	1050.4
50°	1862.2	1046.8	893.7	972.1	1004.1
52.5°	1620.1	943.6	836.7	918.6	954.3
55°	1378.0	843.9	776.2	861.7	890.2
57.5°	1167.9	751.3	712.1	797.6	818.9
60°	972.1	662.3	648.0	726.4	751.3
62.5°	794.0	583.9	587.5	662.3	687.2
65°	648.0	509.2	534.1	601.7	623.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	527.0	438.0	480.7	551.9	569.7
70°	416.6	373.9	438.0	502.0	519.9
72.5°	331.1	316.9	395.2	462.9	477.1
75°	252.8	263.5	359.6	423.7	441.5
77.5°	181.6	220.8	324.0	391.7	405.9
80°	128.2	181.6	295.5	363.2	377.4
82.5°	81.9	149.5	267.0	338.3	352.5
85°	42.7	121.1	242.1	313.3	327.6
87.5°	17.8	99.7	217.2	288.4	302.7
90°	0.0	81.9	195.8	267.0	277.7
92.5°	0.0	71.2	178.0	245.7	256.4
95°	0.0	60.5	163.8	224.3	235.0
97.5°	0.0	57.0	146.0	206.5	217.2
100°	0.0	49.8	131.7	188.7	203.0
102.5°	0.0	46.3	121.1	170.9	185.2
105°	0.0	42.7	110.4	156.7	170.9
107.5°	0.0	39.2	103.3	146.0	156.7
110°	0.0	39.2	92.6	135.3	146.0
112.5°	3.6	35.6	85.5	121.1	131.7
115°	3.6	35.6	78.3	113.9	121.1
117.5°	3.6	35.6	74.8	103.3	110.4
120°	3.6	32.0	71.2	96.1	103.3
122.5°	3.6	32.0	67.7	89.0	92.6
125°	3.6	28.5	64.1	81.9	89.0
127.5°	3.6	28.5	60.5	78.3	81.9
130°	3.6	28.5	57.0	71.2	78.3
132.5°	3.6	24.9	53.4	67.7	71.2
135°	3.6	24.9	49.8	64.1	67.7
137.5°	3.6	21.4	46.3	60.5	64.1
140°	3.6	21.4	42.7	57.0	60.5
142.5°	3.6	17.8	39.2	53.4	57.0
145°	3.6	17.8	35.6	49.8	53.4
147.5°	3.6	17.8	32.0	46.3	49.8
150°	3.6	14.2	28.5	42.7	46.3
152.5°	3.6	14.2	24.9	39.2	42.7
155°	3.6	14.2	24.9	35.6	39.2
157.5°	3.6	10.7	21.4	28.5	35.6
160°	3.6	10.7	17.8	24.9	32.0
162.5°	3.6	10.7	17.8	21.4	24.9
165°	3.6	7.1	14.2	17.8	21.4
167.5°	3.6	7.1	10.7	14.2	17.8
170°	3.6	7.1	10.7	10.7	14.2
172.5°	3.6	7.1	7.1	7.1	7.1
175°	7.1	7.1	7.1	7.1	3.6
177.5°	7.1	7.1	7.1	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)