

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: P567940

Luminaire Tested: **8SNX-66SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567940
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-L840-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

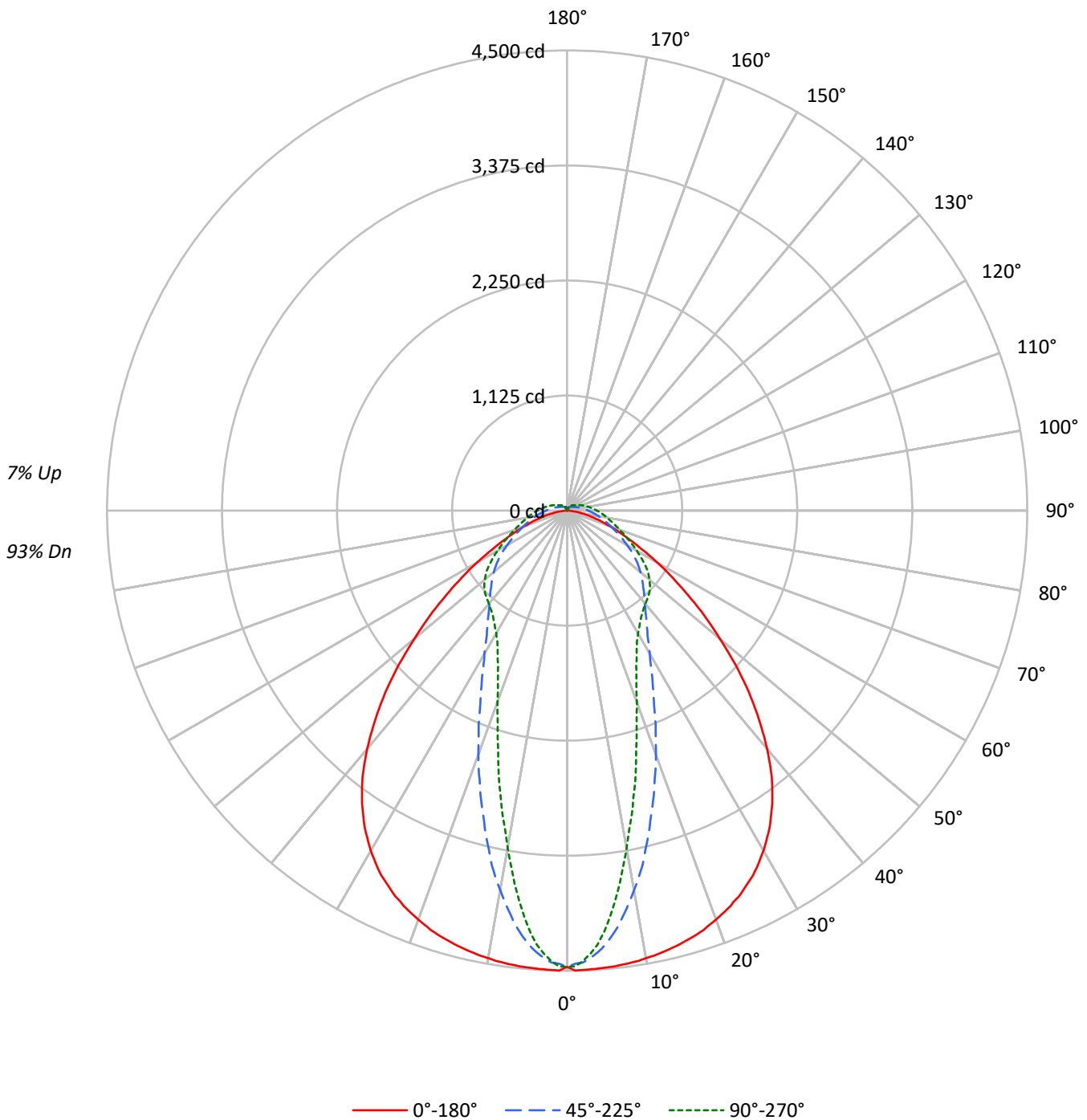
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7113.0 lumens
Efficiency: N/A
Efficacy: 168.6 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	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°	24015	24015	24015
5°	24184	22100	21123
10°	24195	18970	16388
15°	24229	15492	12283
20°	24199	12354	9192
25°	24029	9691	7295
30°	23578	7851	6223
35°	22644	6651	5660
40°	21004	5878	5358
45°	18733	5384	5192
50°	15928	4961	4905
55°	13146	4501	4480
60°	10573	3965	3929
65°	8271	3486	3419
70°	6492	3089	3025
75°	5107	2782	2755
80°	3720	2552	2561
85°	2229	2387	2457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.2	5.6
10°-20°	926.3	13.0
20°-30°	1099.5	15.5
30°-40°	1106.2	15.6
40°-50°	1028.3	14.5
50°-60°	846.7	11.9
60°-70°	596.6	8.4
70°-80°	389.8	5.5
80°-90°	248.8	3.5
90°-100°	163.2	2.3
100°-110°	110.8	1.6
110°-120°	75.9	1.1
120°-130°	52.5	0.7
130°-140°	35.4	0.5
140°-150°	21.8	0.3
150°-160°	11.3	0.2
160°-170°	4.1	0.1
170°-180°	0.7	0.0
0°-30°	2420.9	34.0
0°-40°	3527.1	49.6
0°-60°	5402.0	75.9
0°-90°	6637.3	93.3
90°-120°	349.9	4.9
90°-150°	459.6	6.5
90°-180°	476.0	6.7
0°-180°	7113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4462	4462	4462	4462	4462	
5°	4485	4425	4265	4183	4138	427
15°	4373	3907	3143	2747	2598	1235
25°	4086	3020	2002	1681	1610	1880
35°	3497	2043	1357	1271	1264	2175
45°	2512	1346	1051	1107	1137	1929
55°	1443	884	813	902	932	1303
65°	678	533	559	630	652	688
75°	265	276	376	444	462	286
85°	45	127	254	328	343	56
90°	0	86	205	280	291	3
95°	0	63	172	235	246	0
105°	0	45	116	164	179	0
115°	4	37	82	119	127	3
125°	4	30	67	86	93	3
135°	4	26	52	67	71	3
145°	4	19	37	52	56	2
155°	4	15	26	37	41	2
165°	4	8	15	19	22	1
175°	8	8	8	8	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4462.2	4462.2	4462.2	4462.2	4462.2
1°	4499.5	4480.8	4432.4	4465.9	4458.5
2°	4495.7	4477.1	4421.2	4436.1	4410.0
3°	4492.0	4465.9	4380.2	4376.5	4339.2
4°	4488.3	4447.3	4328.0	4283.3	4253.4
5°	4484.6	4424.9	4264.6	4182.6	4137.9
6°	4480.8	4398.8	4182.6	4059.6	3996.2
7°	4473.4	4357.8	4096.9	3929.1	3847.1
8°	4465.9	4320.5	3988.8	3787.5	3686.8
9°	4458.5	4272.1	3880.7	3634.6	3515.3
10°	4443.6	4223.6	3768.8	3478.1	3351.3
11°	4436.1	4167.7	3660.7	3328.9	3179.8
12°	4421.2	4108.1	3545.2	3172.4	3041.9
13°	4406.3	4044.7	3403.5	3038.2	2881.6
14°	4391.4	3977.6	3280.5	2889.1	2743.7
15°	4372.7	3906.8	3142.6	2747.4	2598.3
16°	4354.1	3824.7	3019.5	2602.0	2445.4
17°	4335.5	3746.5	2904.0	2467.8	2326.2
18°	4313.1	3668.2	2769.8	2337.3	2199.4
19°	4283.3	3578.7	2661.7	2218.1	2091.3
20°	4257.2	3496.7	2538.6	2106.2	1994.4
21°	4227.3	3396.0	2415.6	2001.8	1890.0
22.5°	4182.6	3254.4	2259.1	1871.4	1767.0
23°	4160.2	3213.4	2195.7	1822.9	1733.4
24°	4130.4	3105.3	2091.3	1748.3	1658.9
25°	4085.7	3019.5	2001.8	1681.2	1610.4
26°	4044.7	2915.2	1912.4	1621.6	1550.8
27°	4003.7	2814.5	1834.1	1558.2	1498.6
28°	3951.5	2710.1	1748.3	1506.0	1453.8
29°	3895.6	2613.2	1677.5	1461.3	1420.3
30°	3839.7	2505.1	1617.9	1420.3	1386.7
32.5°	3683.1	2266.5	1465.0	1342.0	1319.6
35°	3496.7	2042.8	1356.9	1271.2	1263.7
37.5°	3287.9	1837.8	1260.0	1215.3	1222.7
40°	3041.9	1651.4	1178.0	1174.3	1189.2
42.5°	2781.0	1491.1	1114.6	1140.7	1163.1
45°	2512.5	1345.7	1051.2	1107.2	1137.0
47.5°	2233.0	1219.0	995.3	1066.2	1099.7
50°	1949.6	1096.0	935.7	1017.7	1051.2
52.5°	1696.2	987.9	876.0	961.8	999.1
55°	1442.7	883.5	812.7	902.1	932.0
57.5°	1222.7	786.6	745.6	835.0	857.4
60°	1017.7	693.4	678.5	760.5	786.6
62.5°	831.3	611.4	615.1	693.4	719.5
65°	678.5	533.1	559.2	630.0	652.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	551.7	458.5	503.3	577.8	596.5
70°	436.2	391.4	458.5	525.6	544.3
72.5°	346.7	331.8	413.8	484.6	499.5
75°	264.7	275.9	376.5	443.6	462.2
77.5°	190.1	231.1	339.2	410.1	425.0
80°	134.2	190.1	309.4	380.2	395.1
82.5°	85.7	156.6	279.6	354.1	369.1
85°	44.7	126.7	253.5	328.0	343.0
87.5°	18.6	104.4	227.4	302.0	316.9
90°	0.0	85.7	205.0	279.6	290.8
92.5°	0.0	74.6	186.4	257.2	268.4
95°	0.0	63.4	171.5	234.9	246.0
97.5°	0.0	59.6	152.8	216.2	227.4
100°	0.0	52.2	137.9	197.6	212.5
102.5°	0.0	48.5	126.7	178.9	193.8
105°	0.0	44.7	115.6	164.0	178.9
107.5°	0.0	41.0	108.1	152.8	164.0
110°	0.0	41.0	96.9	141.7	152.8
112.5°	3.7	37.3	89.5	126.7	137.9
115°	3.7	37.3	82.0	119.3	126.7
117.5°	3.7	37.3	78.3	108.1	115.6
120°	3.7	33.6	74.6	100.7	108.1
122.5°	3.7	33.6	70.8	93.2	96.9
125°	3.7	29.8	67.1	85.7	93.2
127.5°	3.7	29.8	63.4	82.0	85.7
130°	3.7	29.8	59.6	74.6	82.0
132.5°	3.7	26.1	55.9	70.8	74.6
135°	3.7	26.1	52.2	67.1	70.8
137.5°	3.7	22.4	48.5	63.4	67.1
140°	3.7	22.4	44.7	59.6	63.4
142.5°	3.7	18.6	41.0	55.9	59.6
145°	3.7	18.6	37.3	52.2	55.9
147.5°	3.7	18.6	33.6	48.5	52.2
150°	3.7	14.9	29.8	44.7	48.5
152.5°	3.7	14.9	26.1	41.0	44.7
155°	3.7	14.9	26.1	37.3	41.0
157.5°	3.7	11.2	22.4	29.8	37.3
160°	3.7	11.2	18.6	26.1	33.6
162.5°	3.7	11.2	18.6	22.4	26.1
165°	3.7	7.5	14.9	18.6	22.4
167.5°	3.7	7.5	11.2	14.9	18.6
170°	3.7	7.5	11.2	11.2	14.9
172.5°	3.7	7.5	7.5	7.5	7.5
175°	7.5	7.5	7.5	7.5	3.7
177.5°	7.5	7.5	7.5	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)