

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: P567934

Luminaire Tested: **8SNX-66SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-66SL-LC-UNV-L930-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

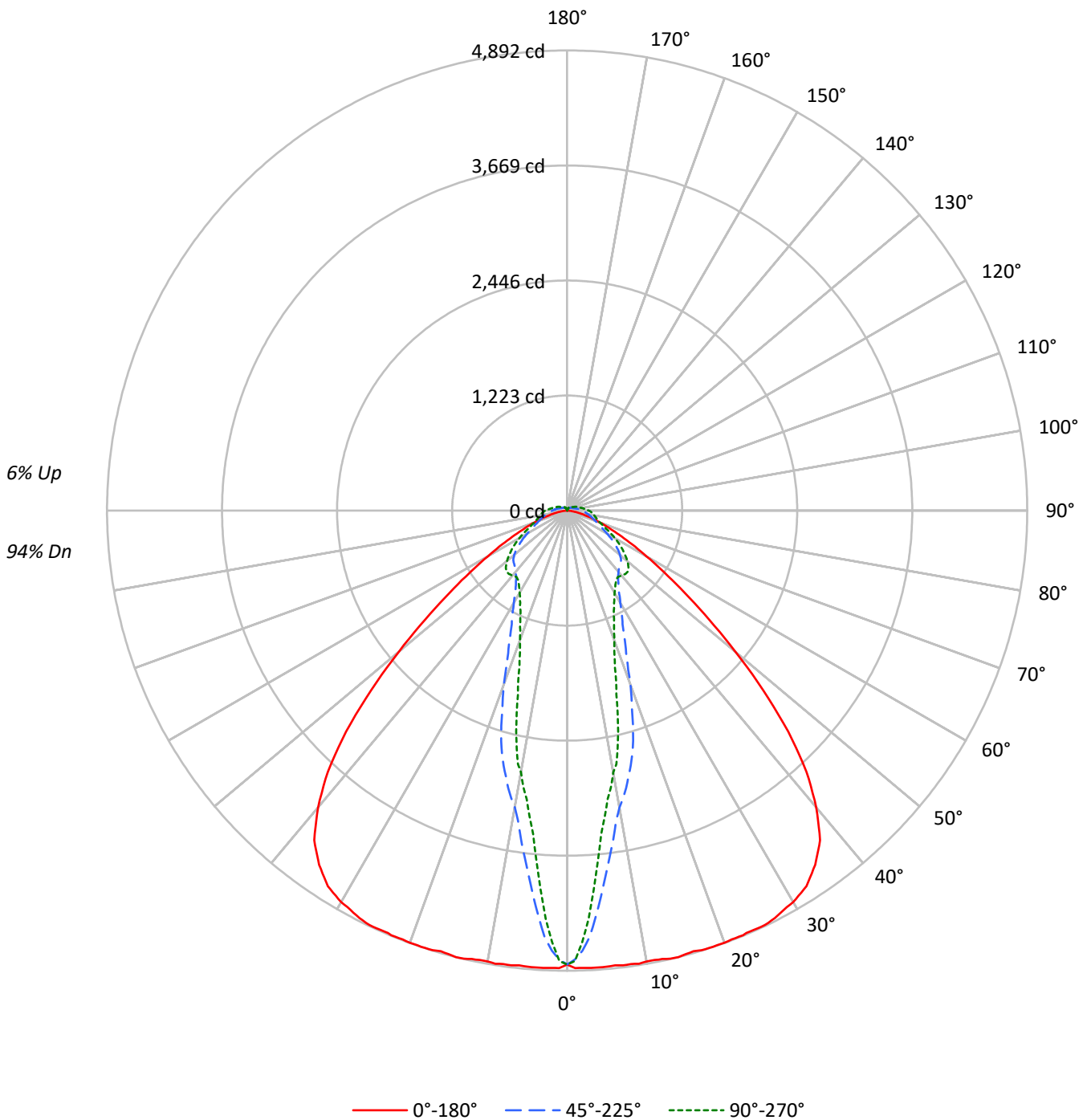
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5948.0 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25970	25970	25970
5°	26252	21357	19092
10°	26506	16141	13818
15°	27041	13209	9568
20°	27792	9568	6758
25°	28719	6862	5316
30°	29518	5488	4528
35°	29767	4647	4055
40°	28457	4229	4065
45°	24772	4090	4176
50°	19076	3894	3897
55°	13888	3410	3458
60°	10133	2850	2924
65°	7431	2413	2396
70°	5535	2136	2067
75°	4000	1982	1926
80°	2703	1861	1897
85°	1367	1780	1900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.5	6.4
10°-20°	824.0	13.9
20°-30°	943.2	15.9
30°-40°	944.9	15.9
40°-50°	894.5	15.0
50°-60°	686.0	11.5
60°-70°	442.2	7.4
70°-80°	282.0	4.7
80°-90°	187.2	3.1
90°-100°	125.9	2.1
100°-110°	82.9	1.4
110°-120°	57.7	1.0
120°-130°	40.2	0.7
130°-140°	27.9	0.5
140°-150°	17.1	0.3
150°-160°	8.7	0.1
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	2146.7	36.1
0°-40°	3091.7	52.0
0°-60°	4672.2	78.6
0°-90°	5583.5	93.9
90°-120°	266.5	4.5
90°-150°	351.8	5.9
90°-180°	364.0	6.1
0°-180°	5948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4825	4825	4825	4825	4825	
5°	4868	4600	4121	3844	3740	465
15°	4880	3515	2679	2201	2024	1384
25°	4883	2487	1417	1232	1174	2251
35°	4597	1384	948	918	905	2852
45°	3322	875	799	884	914	2526
55°	1524	625	616	692	719	1401
65°	610	393	387	442	457	627
75°	207	213	268	308	323	228
85°	27	98	189	247	265	38
90°	0	67	158	220	229	1
95°	0	49	131	180	189	0
105°	0	37	85	122	131	2
115°	3	30	64	88	94	3
125°	3	27	55	64	67	3
135°	3	21	43	52	55	2
145°	3	15	30	40	43	2
155°	3	9	18	27	30	2
165°	6	6	12	15	18	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4825.3	4825.3	4825.3	4825.3	4825.3
1°	4864.9	4837.5	4773.5	4791.8	4788.7
2°	4864.9	4807.0	4682.0	4645.5	4590.6
3°	4868.0	4755.2	4541.8	4422.9	4346.7
4°	4868.0	4679.0	4334.5	4136.4	4038.9
5°	4868.0	4599.7	4121.2	3843.8	3740.1
6°	4861.9	4505.2	3904.7	3612.1	3456.7
7°	4871.0	4401.6	3709.7	3395.7	3273.8
8°	4868.0	4279.7	3529.8	3231.1	3097.0
9°	4877.1	4160.8	3334.7	3075.6	2975.0
10°	4868.0	4051.1	3206.7	2929.3	2825.7
11°	4868.0	3944.4	3115.3	2834.8	2746.4
12°	4874.1	3822.4	3014.7	2700.7	2578.8
13°	4889.3	3697.5	2898.8	2554.4	2411.1
14°	4892.4	3603.0	2792.2	2368.5	2219.1
15°	4880.2	3514.6	2679.4	2200.8	2024.0
16°	4874.1	3423.1	2545.2	2042.3	1883.8
17°	4886.3	3316.4	2392.8	1880.7	1734.4
18°	4889.3	3218.9	2231.3	1758.8	1630.8
19°	4889.3	3142.7	2100.2	1646.0	1536.3
20°	4889.3	3069.5	1966.1	1560.7	1466.2
21°	4883.2	2978.1	1813.7	1472.3	1393.0
22.5°	4886.3	2807.4	1639.9	1368.6	1304.6
23°	4877.1	2764.7	1597.3	1341.2	1274.1
24°	4880.2	2642.8	1505.8	1286.3	1222.3
25°	4883.2	2487.3	1417.4	1231.5	1173.6
26°	4877.1	2362.4	1344.3	1179.7	1140.0
27°	4861.9	2261.8	1292.4	1137.0	1100.4
28°	4840.5	2127.6	1237.6	1100.4	1066.9
29°	4819.2	1975.2	1182.7	1060.8	1036.4
30°	4807.0	1853.3	1130.9	1030.3	1009.0
32.5°	4733.9	1612.5	1024.2	969.3	951.0
35°	4596.7	1383.9	948.0	917.5	905.3
37.5°	4416.8	1207.1	890.1	884.0	887.0
40°	4121.2	1066.9	847.4	874.8	902.3
42.5°	3767.6	957.1	816.9	884.0	914.5
45°	3322.5	874.8	798.6	884.0	914.5
47.5°	2828.7	807.8	777.3	853.5	884.0
50°	2334.9	746.8	734.6	807.8	835.2
52.5°	1899.0	688.9	679.7	749.9	777.3
55°	1524.1	624.9	615.7	691.9	719.4
57.5°	1222.3	563.9	554.8	624.9	652.3
60°	975.4	503.0	487.7	557.8	585.3
62.5°	777.3	445.0	435.9	496.9	521.2
65°	609.6	393.2	387.1	442.0	457.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	481.6	344.4	347.5	393.2	411.5
70°	371.9	298.7	317.0	359.7	371.9
72.5°	280.4	253.0	292.6	329.2	344.4
75°	207.3	213.4	268.2	307.9	323.1
77.5°	143.3	176.8	246.9	289.6	304.8
80°	97.5	143.3	225.6	274.3	292.6
82.5°	57.9	118.9	207.3	259.1	280.4
85°	27.4	97.5	189.0	246.9	265.2
87.5°	9.1	79.3	170.7	234.7	250.0
90°	0.0	67.1	158.5	219.5	228.6
92.5°	0.0	57.9	143.3	201.2	207.3
95°	0.0	48.8	131.1	179.8	189.0
97.5°	0.0	45.7	121.9	161.6	173.7
100°	0.0	42.7	109.7	146.3	158.5
102.5°	0.0	36.6	97.5	131.1	143.3
105°	0.0	36.6	85.3	121.9	131.1
107.5°	3.0	33.5	79.3	109.7	121.9
110°	3.0	33.5	70.1	103.6	112.8
112.5°	3.0	33.5	67.1	94.5	106.7
115°	3.0	30.5	64.0	88.4	94.5
117.5°	3.0	30.5	61.0	79.3	85.3
120°	3.0	27.4	57.9	73.2	76.2
122.5°	3.0	27.4	54.9	67.1	70.1
125°	3.0	27.4	54.9	64.0	67.1
127.5°	3.0	24.4	51.8	61.0	61.0
130°	3.0	24.4	48.8	57.9	57.9
132.5°	3.0	21.3	45.7	54.9	57.9
135°	3.0	21.3	42.7	51.8	54.9
137.5°	3.0	18.3	39.6	48.8	51.8
140°	3.0	18.3	36.6	45.7	48.8
142.5°	3.0	15.2	33.5	42.7	45.7
145°	3.0	15.2	30.5	39.6	42.7
147.5°	3.0	15.2	27.4	36.6	39.6
150°	3.0	12.2	24.4	33.5	36.6
152.5°	3.0	12.2	21.3	30.5	33.5
155°	3.0	9.1	18.3	27.4	30.5
157.5°	3.0	9.1	18.3	24.4	27.4
160°	6.1	9.1	15.2	21.3	24.4
162.5°	3.0	6.1	15.2	18.3	21.3
165°	6.1	6.1	12.2	15.2	18.3
167.5°	6.1	6.1	9.1	12.2	15.2
170°	6.1	6.1	9.1	9.1	12.2
172.5°	6.1	6.1	6.1	9.1	6.1
175°	6.1	6.1	6.1	6.1	3.0
177.5°	6.1	6.1	6.1	6.1	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)