

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: P567926

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-66SL-FDL-UNV-L930-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

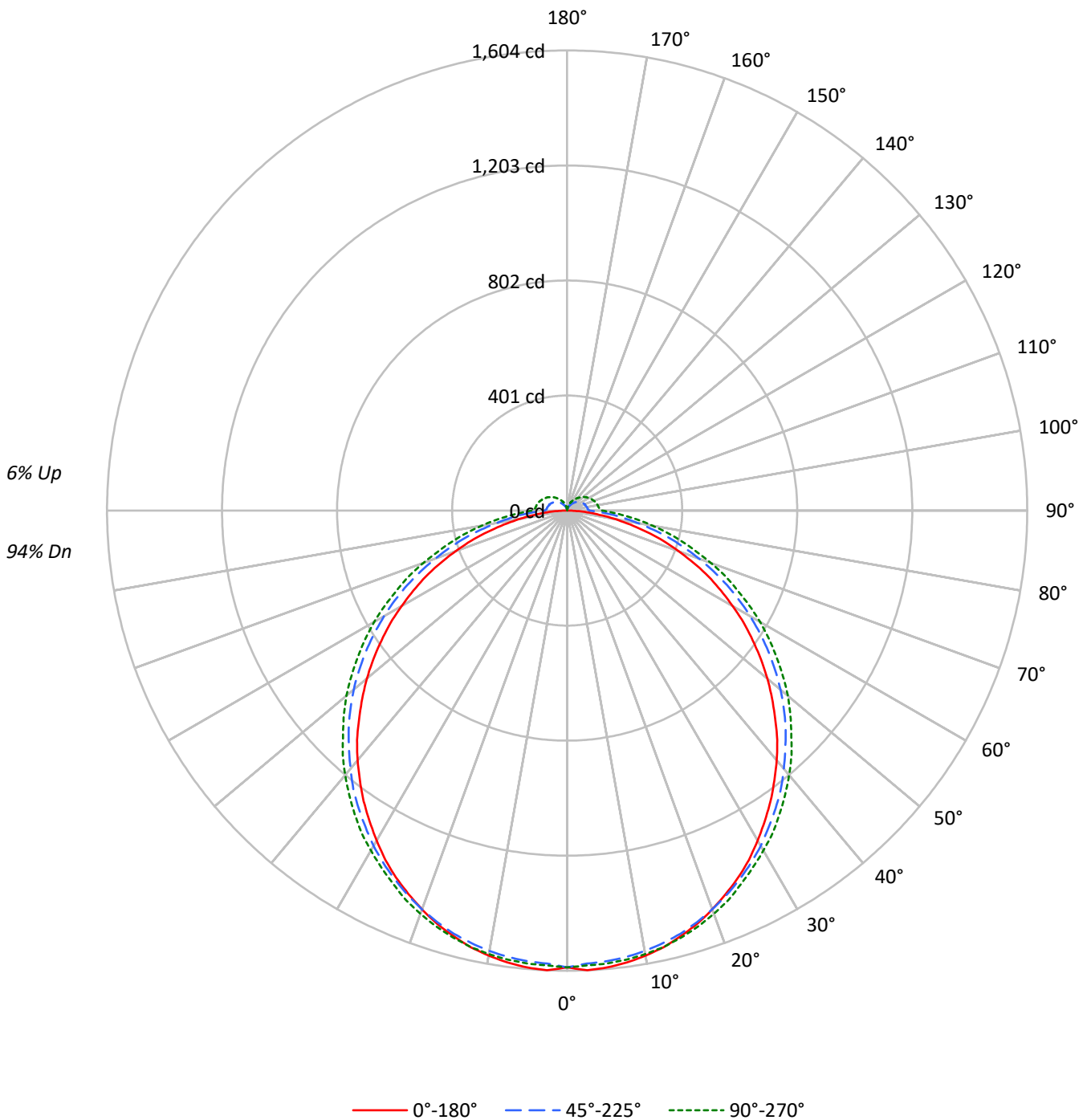
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5060.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8570	8570	8570
5°	8633	8431	8440
10°	8601	8342	8335
15°	8540	8239	8215
20°	8457	8114	8075
25°	8360	7976	7910
30°	8228	7837	7757
35°	8095	7672	7597
40°	7948	7489	7417
45°	7762	7310	7208
50°	7583	7104	7017
55°	7361	6849	6751
60°	7112	6558	6489
65°	6850	6210	6128
70°	6395	5771	5755
75°	5848	5256	5307
80°	5045	4570	4812
85°	4074	3983	4228



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	3.0
10°-20°	433.3	8.6
20°-30°	656.7	13.0
30°-40°	792.7	15.7
40°-50°	827.8	16.4
50°-60°	760.5	15.0
60°-70°	601.4	11.9
70°-80°	380.6	7.5
80°-90°	163.6	3.2
90°-100°	72.0	1.4
100°-110°	64.5	1.3
110°-120°	54.4	1.1
120°-130°	42.4	0.8
130°-140°	29.4	0.6
140°-150°	17.6	0.3
150°-160°	8.6	0.2
160°-170°	3.0	0.1
170°-180°	0.4	0.0
0°-30°	1241.0	24.5
0°-40°	2033.7	40.2
0°-60°	3622.0	71.6
0°-90°	4767.6	94.2
90°-120°	190.9	3.8
90°-150°	280.4	5.5
90°-180°	292.0	5.8
0°-180°	5060.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1599	1594	1577	1590	1585	152
15°	1535	1535	1527	1543	1540	433
25°	1411	1418	1419	1438	1436	650
35°	1237	1251	1267	1287	1291	773
45°	1025	1050	1077	1098	1105	792
55°	790	823	857	884	891	707
65°	544	574	615	643	653	536
75°	287	321	367	399	414	304
85°	70	108	154	187	199	77
90°	4	38	79	110	122	6
95°	1	33	72	100	111	1
105°	1	30	67	94	104	1
115°	1	26	61	85	94	1
125°	2	23	51	74	82	2
135°	2	18	41	58	65	1
145°	2	13	29	44	48	1
155°	2	9	19	28	33	1
165°	3	6	10	13	19	1
175°	3	4	4	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.3	1592.3	1592.3	1592.3	1592.3
2.5°	1603.9	1598.6	1580.6	1593.2	1586.9
5°	1598.6	1594.1	1577.1	1590.5	1585.1
7.5°	1588.7	1585.1	1569.9	1584.2	1578.8
10°	1575.3	1572.6	1559.1	1573.5	1569.9
12.5°	1558.2	1557.3	1543.9	1560.0	1557.3
15°	1534.9	1534.9	1526.9	1543.0	1540.3
17.5°	1509.8	1510.7	1504.5	1521.5	1519.7
20°	1479.4	1483.9	1479.4	1497.3	1495.5
22.5°	1446.2	1452.5	1450.7	1468.6	1469.5
25°	1411.3	1417.6	1419.3	1438.2	1435.5
27.5°	1372.8	1382.6	1386.2	1403.2	1402.3
30°	1328.0	1341.4	1349.5	1363.8	1368.3
32.5°	1282.3	1298.4	1308.2	1328.0	1333.3
35°	1236.6	1250.9	1267.0	1286.7	1291.2
37.5°	1186.4	1202.5	1224.0	1242.8	1248.2
40°	1136.2	1154.1	1174.7	1195.3	1203.4
42.5°	1084.2	1103.0	1125.4	1149.6	1157.7
45°	1025.1	1050.2	1077.1	1097.7	1104.8
47.5°	968.6	996.4	1025.1	1047.5	1055.6
50°	911.3	940.9	971.3	991.9	1004.5
52.5°	851.3	883.5	914.0	940.0	948.0
55°	790.3	822.6	856.6	884.4	890.7
57.5°	731.2	762.5	796.6	822.6	835.1
60°	666.7	700.7	737.5	763.4	776.9
62.5°	603.9	637.1	676.5	704.3	715.1
65°	543.9	574.4	614.7	643.4	653.2
67.5°	477.6	512.5	551.1	584.2	596.8
70°	412.2	445.3	489.2	520.6	533.2
72.5°	351.3	383.5	427.4	458.8	470.4
75°	286.7	320.8	367.4	398.7	414.0
77.5°	224.9	262.5	307.3	341.4	358.4
80°	167.6	200.7	249.1	286.7	302.0
82.5°	113.8	149.6	199.8	234.8	251.8
85°	69.9	107.5	154.1	187.3	198.9
87.5°	33.2	69.0	112.0	144.3	158.6
90°	4.5	38.5	78.9	110.2	121.9
92.5°	0.9	33.2	72.6	102.2	112.9
95°	0.9	33.2	71.7	100.4	111.1
97.5°	0.9	32.3	70.8	99.5	109.3
100°	0.9	31.4	69.9	97.7	108.4
102.5°	0.9	31.4	68.1	95.9	105.7
105°	0.9	30.5	67.2	94.1	103.9
107.5°	0.9	29.6	65.4	92.3	102.2
110°	0.9	27.8	64.5	89.6	99.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	26.9	62.7	87.8	96.8
115°	0.9	26.0	60.9	85.1	94.1
117.5°	0.9	25.1	58.2	82.4	91.4
120°	1.8	25.1	56.5	79.7	87.8
122.5°	1.8	24.2	53.8	76.2	84.2
125°	1.8	23.3	51.1	73.5	81.5
127.5°	1.8	22.4	48.4	69.9	77.1
130°	1.8	20.6	46.6	66.3	73.5
132.5°	1.8	19.7	43.9	61.8	69.0
135°	1.8	17.9	41.2	58.2	65.4
137.5°	1.8	17.0	38.5	54.7	60.9
140°	1.8	16.1	34.9	51.1	57.3
142.5°	1.8	14.3	32.3	47.5	52.9
145°	1.8	13.4	28.7	43.9	48.4
147.5°	1.8	11.6	26.0	40.3	44.8
150°	1.8	10.8	23.3	36.7	41.2
152.5°	1.8	9.9	20.6	32.3	36.7
155°	1.8	9.0	18.8	27.8	33.2
157.5°	1.8	8.1	16.1	24.2	29.6
160°	2.7	7.2	14.3	20.6	25.1
162.5°	2.7	6.3	11.6	17.0	22.4
165°	2.7	6.3	9.9	13.4	18.8
167.5°	2.7	5.4	8.1	10.8	15.2
170°	2.7	4.5	7.2	8.1	11.6
172.5°	2.7	3.6	5.4	5.4	6.3
175°	2.7	3.6	4.5	4.5	2.7
177.5°	2.7	2.7	2.7	2.7	1.8
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)