

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: P567958

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567958  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-66SL-SLW-UNV-L930-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

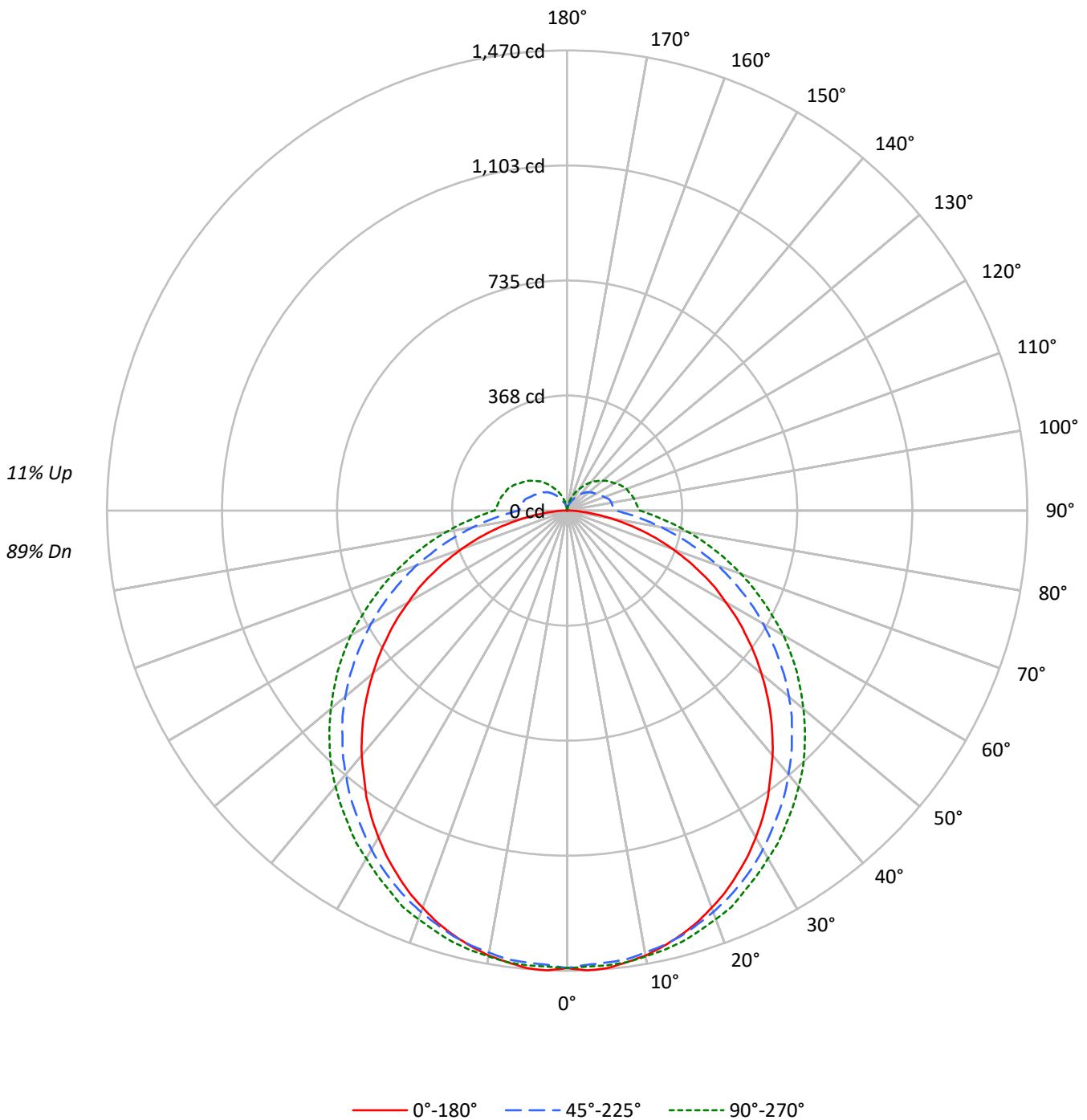
Lumens per Lamp: N/A  
Luminaire Lumens: 5202.0 lumens  
Efficiency: N/A  
Efficacy: 123.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 42.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7865	7865	7865
5°	7920	7667	7656
10°	7873	7516	7466
15°	7801	7362	7292
20°	7702	7184	7097
25°	7585	7009	6894
30°	7445	6818	6693
35°	7291	6618	6505
40°	7114	6422	6324
45°	6922	6221	6129
50°	6703	6011	5910
55°	6463	5756	5696
60°	6180	5484	5456
65°	5892	5177	5155
70°	5485	4840	4859
75°	4947	4410	4533
80°	4057	3974	4211
85°	2992	3605	3880



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.8	2.7
10°-20°	398.9	7.7
20°-30°	606.6	11.7
30°-40°	736.3	14.2
40°-50°	778.1	15.0
50°-60°	728.1	14.0
60°-70°	597.4	11.5
70°-80°	410.9	7.9
80°-90°	225.0	4.3
90°-100°	144.9	2.8
100°-110°	130.0	2.5
110°-120°	107.6	2.1
120°-130°	82.9	1.6
130°-140°	58.2	1.1
140°-150°	35.1	0.7
150°-160°	16.8	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1144.3	22.0
0°-40°	1880.7	36.2
0°-60°	3386.9	65.1
0°-90°	4620.2	88.8
90°-120°	382.6	7.4
90°-150°	558.8	10.7
90°-180°	582.0	11.2
0°-180°	5202.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1461	1461	1461	1461	1461	
5°	1467	1464	1449	1461	1458	139
15°	1404	1410	1407	1425	1425	396
25°	1284	1299	1314	1341	1341	591
35°	1118	1145	1178	1211	1220	698
45°	919	961	1015	1060	1073	708
55°	699	756	826	877	895	626
65°	473	536	618	675	693	468
75°	247	313	404	467	488	260
85°	54	130	220	280	301	63
90°	0	72	154	211	232	4
95°	0	69	148	202	223	0
105°	0	57	139	190	208	2
115°	3	51	118	169	190	3
125°	3	42	99	145	163	3
135°	3	33	81	118	133	2
145°	3	24	57	90	99	2
155°	3	15	36	57	66	1
165°	3	9	18	27	33	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1461.3	1461.3	1461.3	1461.3	1461.3
2.5°	1470.3	1467.3	1452.2	1464.3	1458.2
5°	1467.3	1464.3	1449.2	1461.3	1458.2
7.5°	1455.2	1455.2	1446.2	1458.2	1455.2
10°	1443.2	1443.2	1434.1	1449.2	1446.2
12.5°	1425.1	1428.1	1422.1	1440.2	1437.2
15°	1404.0	1410.0	1407.0	1425.1	1425.1
17.5°	1379.9	1385.9	1385.9	1407.0	1407.0
20°	1349.8	1358.8	1364.8	1388.9	1388.9
22.5°	1319.6	1331.7	1340.7	1361.8	1370.9
25°	1283.5	1298.6	1313.6	1340.7	1340.7
27.5°	1247.3	1265.4	1283.5	1310.6	1313.6
30°	1205.2	1226.2	1250.4	1277.5	1283.5
32.5°	1163.0	1190.1	1214.2	1247.3	1256.4
35°	1117.8	1144.9	1178.0	1211.2	1220.2
37.5°	1066.6	1099.7	1141.9	1178.0	1187.1
40°	1021.4	1057.5	1099.7	1141.9	1150.9
42.5°	970.2	1009.3	1060.5	1099.7	1114.8
45°	918.9	961.1	1015.3	1060.5	1072.6
47.5°	864.7	912.9	973.2	1015.3	1030.4
50°	810.5	861.7	925.0	973.2	985.2
52.5°	756.2	810.5	876.8	925.0	940.0
55°	699.0	756.2	825.5	876.8	894.8
57.5°	644.8	702.0	774.3	828.5	846.6
60°	584.5	650.8	723.1	777.3	798.4
62.5°	533.3	593.5	671.9	726.1	744.2
65°	473.0	536.3	617.6	674.9	693.0
67.5°	415.8	482.1	563.4	623.7	641.7
70°	358.5	424.8	512.2	569.4	590.5
72.5°	301.3	370.6	454.9	518.2	539.3
75°	247.1	313.3	403.7	467.0	488.1
77.5°	189.8	262.1	352.5	415.8	439.9
80°	138.6	213.9	304.3	367.6	391.7
82.5°	93.4	168.7	259.1	322.4	346.5
85°	54.2	129.6	219.9	280.2	301.3
87.5°	27.1	99.4	183.8	244.0	265.1
90°	0.0	72.3	153.7	210.9	232.0
92.5°	0.0	69.3	150.6	204.9	226.0
95°	0.0	69.3	147.6	201.9	223.0
97.5°	0.0	66.3	144.6	201.9	219.9
100°	0.0	63.3	144.6	198.9	216.9
102.5°	0.0	60.3	141.6	195.8	213.9
105°	0.0	57.2	138.6	189.8	207.9
107.5°	3.0	57.2	132.6	186.8	204.9
110°	3.0	54.2	126.5	183.8	201.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.2	120.5	177.8	195.8
115°	3.0	51.2	117.5	168.7	189.8
117.5°	3.0	48.2	111.5	162.7	183.8
120°	3.0	48.2	108.5	156.7	174.7
122.5°	3.0	45.2	102.4	150.6	168.7
125°	3.0	42.2	99.4	144.6	162.7
127.5°	3.0	39.2	96.4	138.6	156.7
130°	3.0	36.2	90.4	132.6	147.6
132.5°	3.0	36.2	87.4	123.5	141.6
135°	3.0	33.1	81.3	117.5	132.6
137.5°	3.0	30.1	75.3	111.5	126.5
140°	3.0	27.1	69.3	105.5	117.5
142.5°	3.0	27.1	63.3	96.4	108.5
145°	3.0	24.1	57.2	90.4	99.4
147.5°	3.0	21.1	51.2	81.3	90.4
150°	3.0	21.1	45.2	72.3	81.3
152.5°	3.0	18.1	39.2	66.3	75.3
155°	3.0	15.1	36.2	57.2	66.3
157.5°	3.0	15.1	30.1	48.2	57.2
160°	3.0	12.1	27.1	39.2	48.2
162.5°	3.0	12.1	24.1	33.1	42.2
165°	3.0	9.0	18.1	27.1	33.1
167.5°	3.0	9.0	15.1	21.1	27.1
170°	3.0	6.0	12.1	15.1	21.1
172.5°	3.0	6.0	9.0	9.0	9.0
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)