

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: P567951

Luminaire Tested: **8SNX-66SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567951
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-LW-UNV-L935-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

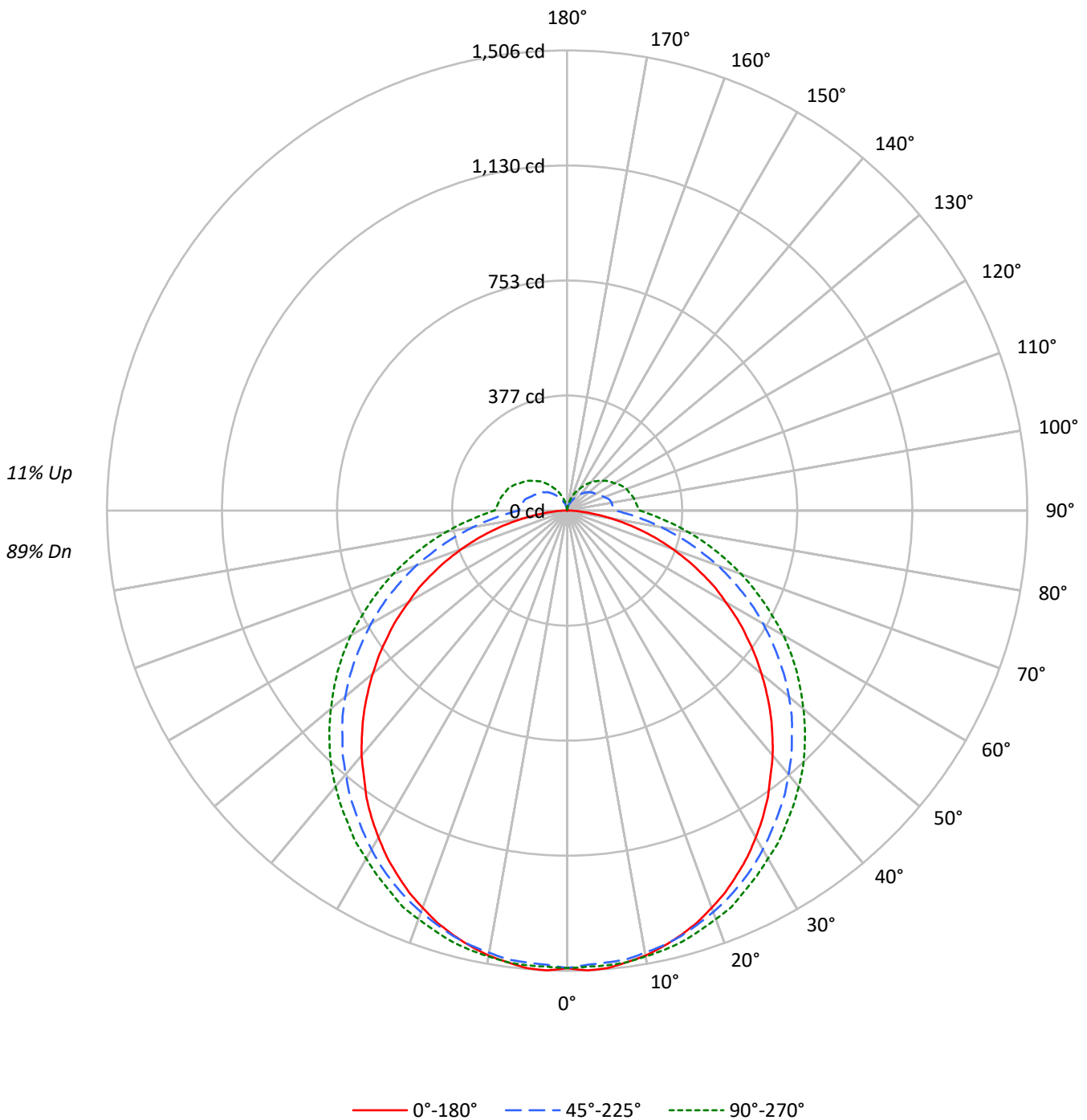
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5330.0 lumens
Efficiency: N/A
Efficacy: 126.3 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 42.2
Input Voltage (V): NR
Input Current (Ain): 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	76	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°	8058	8058	8058
5°	8107	7695	7627
10°	8051	7396	7246
15°	7971	7107	6903
20°	7861	6805	6559
25°	7734	6515	6223
30°	7583	6217	5901
35°	7417	5916	5600
40°	7226	5623	5313
45°	7020	5328	5019
50°	6784	5024	4710
55°	6526	4684	4407
60°	6222	4329	4087
65°	5909	3945	3721
70°	5468	3536	3363
75°	4883	3057	2981
80°	3936	2572	2602
85°	2773	2123	2211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.2	2.7
10°-20°	408.8	7.7
20°-30°	621.5	11.7
30°-40°	754.5	14.2
40°-50°	797.2	15.0
50°-60°	746.0	14.0
60°-70°	612.1	11.5
70°-80°	421.0	7.9
80°-90°	230.6	4.3
90°-100°	148.5	2.8
100°-110°	133.2	2.5
110°-120°	110.3	2.1
120°-130°	84.9	1.6
130°-140°	59.7	1.1
140°-150°	36.0	0.7
150°-160°	17.2	0.3
160°-170°	5.7	0.1
170°-180°	0.7	0.0
0°-30°	1172.5	22.0
0°-40°	1926.9	36.2
0°-60°	3470.2	65.1
0°-90°	4733.9	88.8
90°-120°	392.0	7.4
90°-150°	572.5	10.7
90°-180°	596.0	11.2
0°-180°	5330.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1503	1500	1485	1497	1494	143
15°	1439	1445	1442	1460	1460	406
25°	1315	1330	1346	1374	1374	606
35°	1145	1173	1207	1241	1250	715
45°	942	985	1040	1087	1099	726
55°	716	775	846	898	917	641
65°	485	550	633	692	710	480
75°	253	321	414	478	500	267
85°	56	133	225	287	309	64
90°	0	74	157	216	238	4
95°	0	71	151	207	228	0
105°	0	59	142	194	213	2
115°	3	52	120	173	194	3
125°	3	43	102	148	167	3
135°	3	34	83	120	136	2
145°	3	25	59	93	102	2
155°	3	15	37	59	68	1
165°	3	9	18	28	34	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°	1497.2	1497.2	1497.2	1497.2	1497.2
2.5°	1506.5	1503.4	1487.9	1500.3	1494.1
5°	1503.4	1500.3	1484.9	1497.2	1494.1
7.5°	1491.0	1491.0	1481.8	1494.1	1491.0
10°	1478.7	1478.7	1469.4	1484.9	1481.8
12.5°	1460.2	1463.3	1457.1	1475.6	1472.5
15°	1438.6	1444.7	1441.6	1460.2	1460.2
17.5°	1413.9	1420.0	1420.0	1441.6	1441.6
20°	1383.0	1392.3	1398.4	1423.1	1423.1
22.5°	1352.1	1364.5	1373.7	1395.3	1404.6
25°	1315.1	1330.5	1345.9	1373.7	1373.7
27.5°	1278.0	1296.6	1315.1	1342.9	1345.9
30°	1234.8	1256.4	1281.1	1308.9	1315.1
32.5°	1191.6	1219.4	1244.1	1278.0	1287.3
35°	1145.3	1173.1	1207.0	1241.0	1250.2
37.5°	1092.8	1126.8	1170.0	1207.0	1216.3
40°	1046.5	1083.5	1126.8	1170.0	1179.2
42.5°	994.0	1034.2	1086.6	1126.8	1142.2
45°	941.5	984.8	1040.3	1086.6	1099.0
47.5°	886.0	935.4	997.1	1040.3	1055.8
50°	830.4	882.9	947.7	997.1	1009.5
52.5°	774.8	830.4	898.3	947.7	963.2
55°	716.2	774.8	845.8	898.3	916.8
57.5°	660.6	719.3	793.4	848.9	867.5
60°	598.9	666.8	740.9	796.5	818.1
62.5°	546.4	608.1	688.4	744.0	762.5
65°	484.7	549.5	632.8	691.5	710.0
67.5°	426.0	493.9	577.3	639.0	657.5
70°	367.4	435.3	524.8	583.4	605.1
72.5°	308.7	379.7	466.1	531.0	552.6
75°	253.1	321.1	413.7	478.5	500.1
77.5°	194.5	268.6	361.2	426.0	450.7
80°	142.0	219.2	311.8	376.6	401.3
82.5°	95.7	172.9	265.5	330.3	355.0
85°	55.6	132.7	225.4	287.1	308.7
87.5°	27.8	101.9	188.3	250.0	271.7
90°	0.0	74.1	157.4	216.1	237.7
92.5°	0.0	71.0	154.4	209.9	231.5
95°	0.0	71.0	151.3	206.8	228.4
97.5°	0.0	67.9	148.2	206.8	225.4
100°	0.0	64.8	148.2	203.7	222.3
102.5°	0.0	61.7	145.1	200.7	219.2
105°	0.0	58.7	142.0	194.5	213.0
107.5°	3.1	58.7	135.8	191.4	209.9
110°	3.1	55.6	129.7	188.3	206.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	52.5	123.5	182.1	200.7
115°	3.1	52.5	120.4	172.9	194.5
117.5°	3.1	49.4	114.2	166.7	188.3
120°	3.1	49.4	111.1	160.5	179.0
122.5°	3.1	46.3	105.0	154.4	172.9
125°	3.1	43.2	101.9	148.2	166.7
127.5°	3.1	40.1	98.8	142.0	160.5
130°	3.1	37.0	92.6	135.8	151.3
132.5°	3.1	37.0	89.5	126.6	145.1
135°	3.1	34.0	83.3	120.4	135.8
137.5°	3.1	30.9	77.2	114.2	129.7
140°	3.1	27.8	71.0	108.0	120.4
142.5°	3.1	27.8	64.8	98.8	111.1
145°	3.1	24.7	58.7	92.6	101.9
147.5°	3.1	21.6	52.5	83.3	92.6
150°	3.1	21.6	46.3	74.1	83.3
152.5°	3.1	18.5	40.1	67.9	77.2
155°	3.1	15.4	37.0	58.7	67.9
157.5°	3.1	15.4	30.9	49.4	58.7
160°	3.1	12.3	27.8	40.1	49.4
162.5°	3.1	12.3	24.7	34.0	43.2
165°	3.1	9.3	18.5	27.8	34.0
167.5°	3.1	9.3	15.4	21.6	27.8
170°	3.1	6.2	12.3	15.4	21.6
172.5°	3.1	6.2	9.3	9.3	9.3
175°	3.1	3.1	6.2	6.2	3.1
177.5°	3.1	3.1	3.1	3.1	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)