

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: P567953

Luminaire Tested: **8SNX-66SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567953
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-L950-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

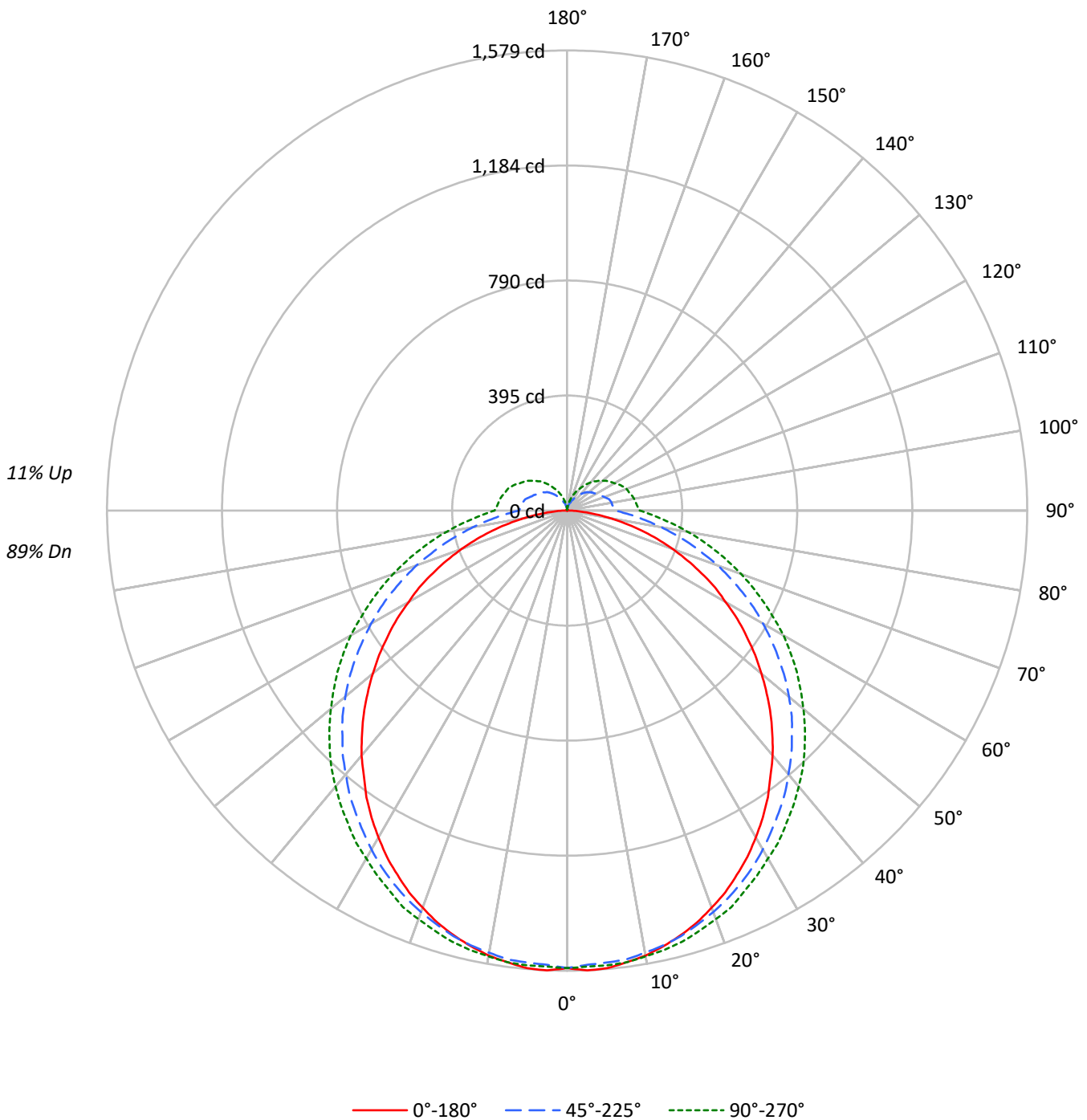
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5588.0 lumens
Efficiency: N/A
Efficacy: 132.4 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	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°	8448	8448	8448
5°	8500	8067	7996
10°	8441	7755	7597
15°	8357	7451	7237
20°	8242	7134	6877
25°	8108	6831	6524
30°	7950	6517	6187
35°	7775	6203	5871
40°	7576	5895	5570
45°	7360	5586	5262
50°	7113	5267	4938
55°	6842	4911	4620
60°	6523	4539	4285
65°	6194	4137	3902
70°	5732	3707	3525
75°	5121	3204	3126
80°	4127	2697	2727
85°	2908	2225	2318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	2.7
10°-20°	428.5	7.7
20°-30°	651.6	11.7
30°-40°	791.0	14.2
40°-50°	835.8	15.0
50°-60°	782.1	14.0
60°-70°	641.7	11.5
70°-80°	441.4	7.9
80°-90°	241.7	4.3
90°-100°	155.6	2.8
100°-110°	139.7	2.5
110°-120°	115.6	2.1
120°-130°	89.0	1.6
130°-140°	62.5	1.1
140°-150°	37.7	0.7
150°-160°	18.0	0.3
160°-170°	5.9	0.1
170°-180°	0.7	0.0
0°-30°	1229.2	22.0
0°-40°	2020.2	36.2
0°-60°	3638.2	65.1
0°-90°	4963.1	88.8
90°-120°	410.9	7.4
90°-150°	600.2	10.7
90°-180°	625.0	11.2
0°-180°	5588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1570	1570	1570	1570	1570	
5°	1576	1573	1557	1570	1566	149
15°	1508	1515	1511	1531	1531	425
25°	1379	1395	1411	1440	1440	635
35°	1201	1230	1266	1301	1311	750
45°	987	1032	1091	1139	1152	761
55°	751	812	887	942	961	672
65°	508	576	664	725	744	503
75°	265	337	434	502	524	279
85°	58	139	236	301	324	67
90°	0	78	165	227	249	4
95°	0	74	159	217	240	0
105°	0	62	149	204	223	2
115°	3	55	126	181	204	3
125°	3	45	107	155	175	3
135°	3	36	87	126	142	2
145°	3	26	62	97	107	2
155°	3	16	39	62	71	1
165°	3	10	19	29	36	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°	1569.7	1569.7	1569.7	1569.7	1569.7
2.5°	1579.4	1576.2	1560.0	1572.9	1566.4
5°	1576.2	1572.9	1556.7	1569.7	1566.4
7.5°	1563.2	1563.2	1553.5	1566.4	1563.2
10°	1550.3	1550.3	1540.6	1556.7	1553.5
12.5°	1530.8	1534.1	1527.6	1547.0	1543.8
15°	1508.2	1514.7	1511.4	1530.8	1530.8
17.5°	1482.3	1488.8	1488.8	1511.4	1511.4
20°	1449.9	1459.6	1466.1	1492.0	1492.0
22.5°	1417.6	1430.5	1440.2	1462.9	1472.6
25°	1378.7	1394.9	1411.1	1440.2	1440.2
27.5°	1339.9	1359.3	1378.7	1407.9	1411.1
30°	1294.6	1317.2	1343.1	1372.3	1378.7
32.5°	1249.3	1278.4	1304.3	1339.9	1349.6
35°	1200.7	1229.9	1265.5	1301.1	1310.8
37.5°	1145.7	1181.3	1226.6	1265.5	1275.2
40°	1097.2	1136.0	1181.3	1226.6	1236.3
42.5°	1042.1	1084.2	1139.2	1181.3	1197.5
45°	987.1	1032.4	1090.7	1139.2	1152.2
47.5°	928.9	980.6	1045.4	1090.7	1106.9
50°	870.6	925.6	993.6	1045.4	1058.3
52.5°	812.4	870.6	941.8	993.6	1009.8
55°	750.9	812.4	886.8	941.8	961.2
57.5°	692.6	754.1	831.8	890.0	909.4
60°	627.9	699.1	776.7	835.0	857.7
62.5°	572.9	637.6	721.7	780.0	799.4
65°	508.1	576.1	663.5	725.0	744.4
67.5°	446.6	517.8	605.2	669.9	689.4
70°	385.1	456.3	550.2	611.7	634.3
72.5°	323.6	398.1	488.7	556.7	579.3
75°	265.4	336.6	433.7	501.7	524.3
77.5°	203.9	281.6	378.7	446.6	472.5
80°	148.9	229.8	326.9	394.8	420.7
82.5°	100.3	181.2	278.3	346.3	372.2
85°	58.3	139.2	236.3	301.0	323.6
87.5°	29.1	106.8	197.4	262.2	284.8
90°	0.0	77.7	165.1	226.6	249.2
92.5°	0.0	74.4	161.8	220.1	242.7
95°	0.0	74.4	158.6	216.8	239.5
97.5°	0.0	71.2	155.3	216.8	236.3
100°	0.0	68.0	155.3	213.6	233.0
102.5°	0.0	64.7	152.1	210.4	229.8
105°	0.0	61.5	148.9	203.9	223.3
107.5°	3.2	61.5	142.4	200.7	220.1
110°	3.2	58.3	135.9	197.4	216.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	55.0	129.5	191.0	210.4
115°	3.2	55.0	126.2	181.2	203.9
117.5°	3.2	51.8	119.7	174.8	197.4
120°	3.2	51.8	116.5	168.3	187.7
122.5°	3.2	48.5	110.0	161.8	181.2
125°	3.2	45.3	106.8	155.3	174.8
127.5°	3.2	42.1	103.6	148.9	168.3
130°	3.2	38.8	97.1	142.4	158.6
132.5°	3.2	38.8	93.9	132.7	152.1
135°	3.2	35.6	87.4	126.2	142.4
137.5°	3.2	32.4	80.9	119.7	135.9
140°	3.2	29.1	74.4	113.3	126.2
142.5°	3.2	29.1	68.0	103.6	116.5
145°	3.2	25.9	61.5	97.1	106.8
147.5°	3.2	22.7	55.0	87.4	97.1
150°	3.2	22.7	48.5	77.7	87.4
152.5°	3.2	19.4	42.1	71.2	80.9
155°	3.2	16.2	38.8	61.5	71.2
157.5°	3.2	16.2	32.4	51.8	61.5
160°	3.2	12.9	29.1	42.1	51.8
162.5°	3.2	12.9	25.9	35.6	45.3
165°	3.2	9.7	19.4	29.1	35.6
167.5°	3.2	9.7	16.2	22.7	29.1
170°	3.2	6.5	12.9	16.2	22.7
172.5°	3.2	6.5	9.7	9.7	9.7
175°	3.2	3.2	6.5	6.5	3.2
177.5°	3.2	3.2	3.2	3.2	3.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)