

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: P567950

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567950
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-L930-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

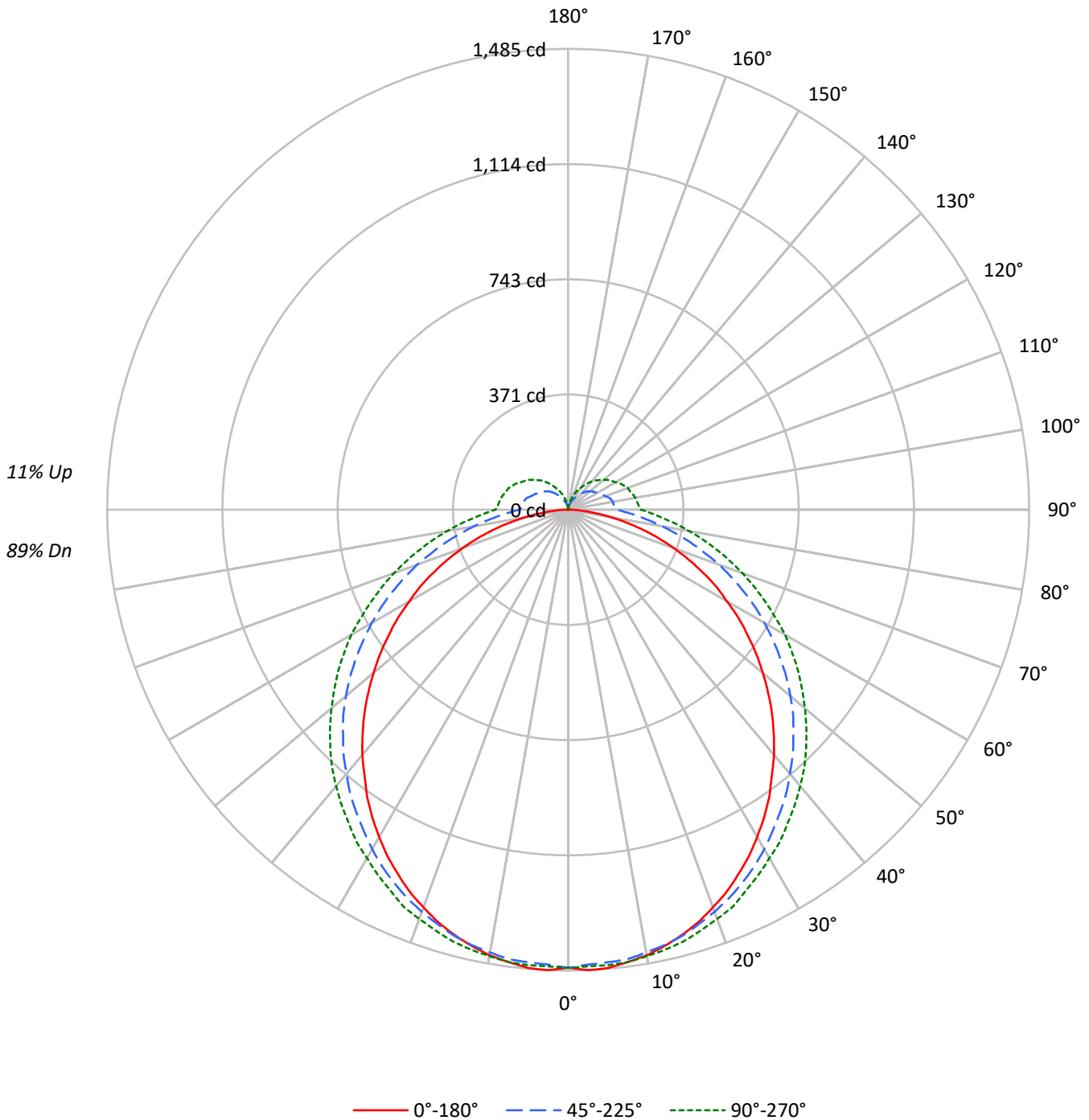
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5255.0 lumens
Efficiency: N/A
Efficacy: 124.5 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 (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	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°	7944	7944	7944
5°	7993	7587	7520
10°	7938	7292	7144
15°	7859	7007	6805
20°	7750	6709	6467
25°	7626	6424	6135
30°	7476	6129	5818
35°	7312	5833	5522
40°	7125	5543	5238
45°	6921	5253	4948
50°	6689	4954	4644
55°	6434	4618	4345
60°	6135	4269	4029
65°	5824	3890	3669
70°	5391	3486	3315
75°	4816	3013	2940
80°	3881	2536	2565
85°	2733	2093	2181



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	2.7
10°-20°	403.0	7.7
20°-30°	612.8	11.7
30°-40°	743.8	14.2
40°-50°	786.0	15.0
50°-60°	735.5	14.0
60°-70°	603.5	11.5
70°-80°	415.1	7.9
80°-90°	227.3	4.3
90°-100°	146.4	2.8
100°-110°	131.3	2.5
110°-120°	108.7	2.1
120°-130°	83.7	1.6
130°-140°	58.8	1.1
140°-150°	35.4	0.7
150°-160°	17.0	0.3
160°-170°	5.6	0.1
170°-180°	0.7	0.0
0°-30°	1156.0	22.0
0°-40°	1899.8	36.2
0°-60°	3421.4	65.1
0°-90°	4667.3	88.8
90°-120°	386.4	7.4
90°-150°	564.4	10.7
90°-180°	588.0	11.2
0°-180°	5255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1476	1476	1476	1476	1476	
5°	1482	1479	1464	1476	1473	141
15°	1418	1424	1421	1440	1440	400
25°	1297	1312	1327	1354	1354	597
35°	1129	1157	1190	1224	1233	705
45°	928	971	1026	1071	1084	715
55°	706	764	834	886	904	632
65°	478	542	624	682	700	473
75°	250	316	408	472	493	263
85°	55	131	222	283	304	63
90°	0	73	155	213	234	4
95°	0	70	149	204	225	0
105°	0	58	140	192	210	2
115°	3	52	119	170	192	3
125°	3	43	100	146	164	3
135°	3	34	82	119	134	2
145°	3	24	58	91	100	2
155°	3	15	36	58	67	1
165°	3	9	18	27	34	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 8SNX-66SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1476.1	1476.1	1476.1	1476.1	1476.1
2.5°	1485.3	1482.2	1467.0	1479.2	1473.1
5°	1482.2	1479.2	1464.0	1476.1	1473.1
7.5°	1470.1	1470.1	1460.9	1473.1	1470.1
10°	1457.9	1457.9	1448.7	1464.0	1460.9
12.5°	1439.6	1442.7	1436.6	1454.8	1451.8
15°	1418.3	1424.4	1421.4	1439.6	1439.6
17.5°	1394.0	1400.1	1400.1	1421.4	1421.4
20°	1363.5	1372.7	1378.7	1403.1	1403.1
22.5°	1333.1	1345.3	1354.4	1375.7	1384.8
25°	1296.6	1311.8	1327.0	1354.4	1354.4
27.5°	1260.0	1278.3	1296.6	1324.0	1327.0
30°	1217.4	1238.7	1263.1	1290.5	1296.6
32.5°	1174.8	1202.2	1226.6	1260.0	1269.2
35°	1129.2	1156.6	1190.0	1223.5	1232.7
37.5°	1077.4	1110.9	1153.5	1190.0	1199.2
40°	1031.8	1068.3	1110.9	1153.5	1162.7
42.5°	980.0	1019.6	1071.3	1110.9	1126.1
45°	928.3	970.9	1025.7	1071.3	1083.5
47.5°	873.5	922.2	983.1	1025.7	1040.9
50°	818.7	870.5	934.4	983.1	995.3
52.5°	763.9	818.7	885.7	934.4	949.6
55°	706.1	763.9	833.9	885.7	903.9
57.5°	651.3	709.2	782.2	837.0	855.2
60°	590.5	657.4	730.5	785.2	806.6
62.5°	538.7	599.6	678.7	733.5	751.8
65°	477.8	541.8	623.9	681.8	700.0
67.5°	420.0	487.0	569.2	630.0	648.3
70°	362.2	429.1	517.4	575.2	596.5
72.5°	304.4	374.4	459.6	523.5	544.8
75°	249.6	316.5	407.8	471.8	493.1
77.5°	191.7	264.8	356.1	420.0	444.4
80°	140.0	216.1	307.4	371.3	395.7
82.5°	94.4	170.4	261.7	325.7	350.0
85°	54.8	130.9	222.2	283.1	304.4
87.5°	27.4	100.4	185.7	246.5	267.8
90°	0.0	73.0	155.2	213.1	234.4
92.5°	0.0	70.0	152.2	207.0	228.3
95°	0.0	70.0	149.1	203.9	225.2
97.5°	0.0	67.0	146.1	203.9	222.2
100°	0.0	63.9	146.1	200.9	219.1
102.5°	0.0	60.9	143.0	197.8	216.1
105°	0.0	57.8	140.0	191.7	210.0
107.5°	3.0	57.8	133.9	188.7	207.0
110°	3.0	54.8	127.8	185.7	203.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.7	121.7	179.6	197.8
115°	3.0	51.7	118.7	170.4	191.7
117.5°	3.0	48.7	112.6	164.4	185.7
120°	3.0	48.7	109.6	158.3	176.5
122.5°	3.0	45.7	103.5	152.2	170.4
125°	3.0	42.6	100.4	146.1	164.4
127.5°	3.0	39.6	97.4	140.0	158.3
130°	3.0	36.5	91.3	133.9	149.1
132.5°	3.0	36.5	88.3	124.8	143.0
135°	3.0	33.5	82.2	118.7	133.9
137.5°	3.0	30.4	76.1	112.6	127.8
140°	3.0	27.4	70.0	106.5	118.7
142.5°	3.0	27.4	63.9	97.4	109.6
145°	3.0	24.3	57.8	91.3	100.4
147.5°	3.0	21.3	51.7	82.2	91.3
150°	3.0	21.3	45.7	73.0	82.2
152.5°	3.0	18.3	39.6	67.0	76.1
155°	3.0	15.2	36.5	57.8	67.0
157.5°	3.0	15.2	30.4	48.7	57.8
160°	3.0	12.2	27.4	39.6	48.7
162.5°	3.0	12.2	24.3	33.5	42.6
165°	3.0	9.1	18.3	27.4	33.5
167.5°	3.0	9.1	15.2	21.3	27.4
170°	3.0	6.1	12.2	15.2	21.3
172.5°	3.0	6.1	9.1	9.1	9.1
175°	3.0	3.0	6.1	6.1	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)