

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: P567774

Luminaire Tested: **8SNX-40SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-40SL-UNV-L930-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

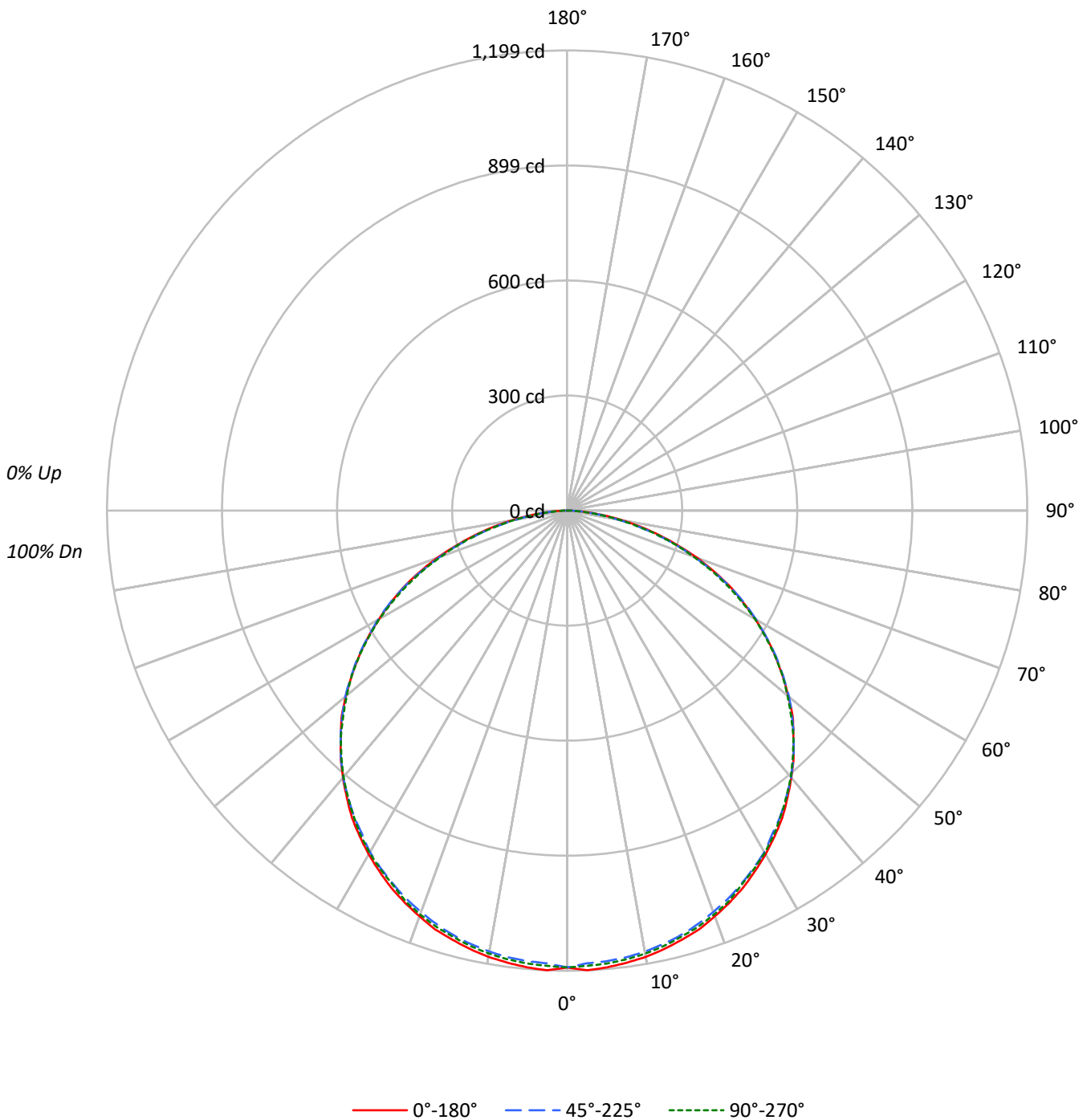
Lumens per Lamp: N/A
Luminaire Lumens: 3559.0 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 24.2
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6406	6406	6406
5°	6454	6367	6402
10°	6453	6377	6406
15°	6447	6381	6405
20°	6443	6376	6413
25°	6439	6375	6388
30°	6426	6386	6399
35°	6421	6372	6379
40°	6385	6377	6369
45°	6347	6355	6347
50°	6301	6318	6274
55°	6217	6237	6207
60°	6096	6118	6084
65°	5970	5929	5848
70°	5676	5558	5492
75°	5186	5007	5030
80°	4479	4147	4246
85°	3372	3242	2908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	3.2
10°-20°	325.4	9.1
20°-30°	497.8	14.0
30°-40°	608.7	17.1
40°-50°	643.9	18.1
50°-60°	593.3	16.7
60°-70°	457.2	12.8
70°-80°	256.1	7.2
80°-90°	63.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	936.1	26.3
0°-40°	1544.8	43.4
0°-60°	2782.0	78.2
0°-90°	3559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3559.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1190	1190	1190	1190	1190	
5°	1195	1190	1178	1190	1185	114
15°	1157	1155	1145	1155	1150	327
25°	1084	1082	1074	1082	1076	500
35°	977	975	970	973	971	611
45°	834	837	835	834	834	644
55°	663	668	665	665	662	592
65°	469	469	466	454	459	461
75°	249	246	241	232	242	264
85°	55	51	52	52	47	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1190.3	1190.3	1190.3	1190.3	1190.3
2.5°	1198.9	1193.5	1180.7	1192.4	1187.1
5°	1194.6	1190.3	1178.5	1190.3	1185.0
7.5°	1188.2	1185.0	1174.2	1185.0	1179.6
10°	1180.7	1177.5	1166.8	1177.5	1172.1
12.5°	1170.0	1167.8	1157.1	1167.8	1162.5
15°	1157.1	1155.0	1145.3	1155.0	1149.6
17.5°	1144.3	1140.0	1130.4	1141.1	1136.8
20°	1125.0	1122.9	1113.2	1122.9	1119.7
22.5°	1105.7	1103.6	1095.0	1103.6	1101.5
25°	1084.3	1082.2	1073.6	1082.2	1075.8
27.5°	1059.7	1060.8	1051.2	1056.5	1053.3
30°	1034.0	1034.0	1027.6	1029.7	1029.7
32.5°	1006.2	1006.2	996.6	1003.0	1001.9
35°	977.3	975.2	969.8	973.0	970.9
37.5°	943.0	942.0	938.8	940.9	938.8
40°	908.8	909.9	907.7	906.6	906.6
42.5°	873.5	875.6	872.4	871.3	870.2
45°	833.9	837.1	834.9	833.9	833.9
47.5°	797.5	798.5	795.3	794.3	791.0
50°	752.5	756.8	754.6	752.5	749.3
52.5°	707.5	714.0	709.7	707.5	707.5
55°	662.6	667.9	664.7	664.7	661.5
57.5°	615.5	620.8	616.6	616.6	612.3
60°	566.3	571.6	568.4	565.2	565.2
62.5°	517.0	521.3	520.2	514.9	511.7
65°	468.8	468.8	465.6	453.9	459.2
67.5°	414.3	413.2	408.9	397.1	404.6
70°	360.7	360.7	353.2	339.3	349.0
72.5°	302.9	306.1	296.5	286.9	296.5
75°	249.4	246.2	240.8	232.3	241.9
77.5°	198.0	192.7	186.3	182.0	187.3
80°	144.5	141.3	133.8	133.8	137.0
82.5°	98.5	95.3	89.9	91.0	86.7
85°	54.6	51.4	52.5	52.5	47.1
87.5°	22.5	22.5	22.5	20.3	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)