

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: P567736

Luminaire Tested: **8SNX-40SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-40SL-FDL-UNV-L940-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

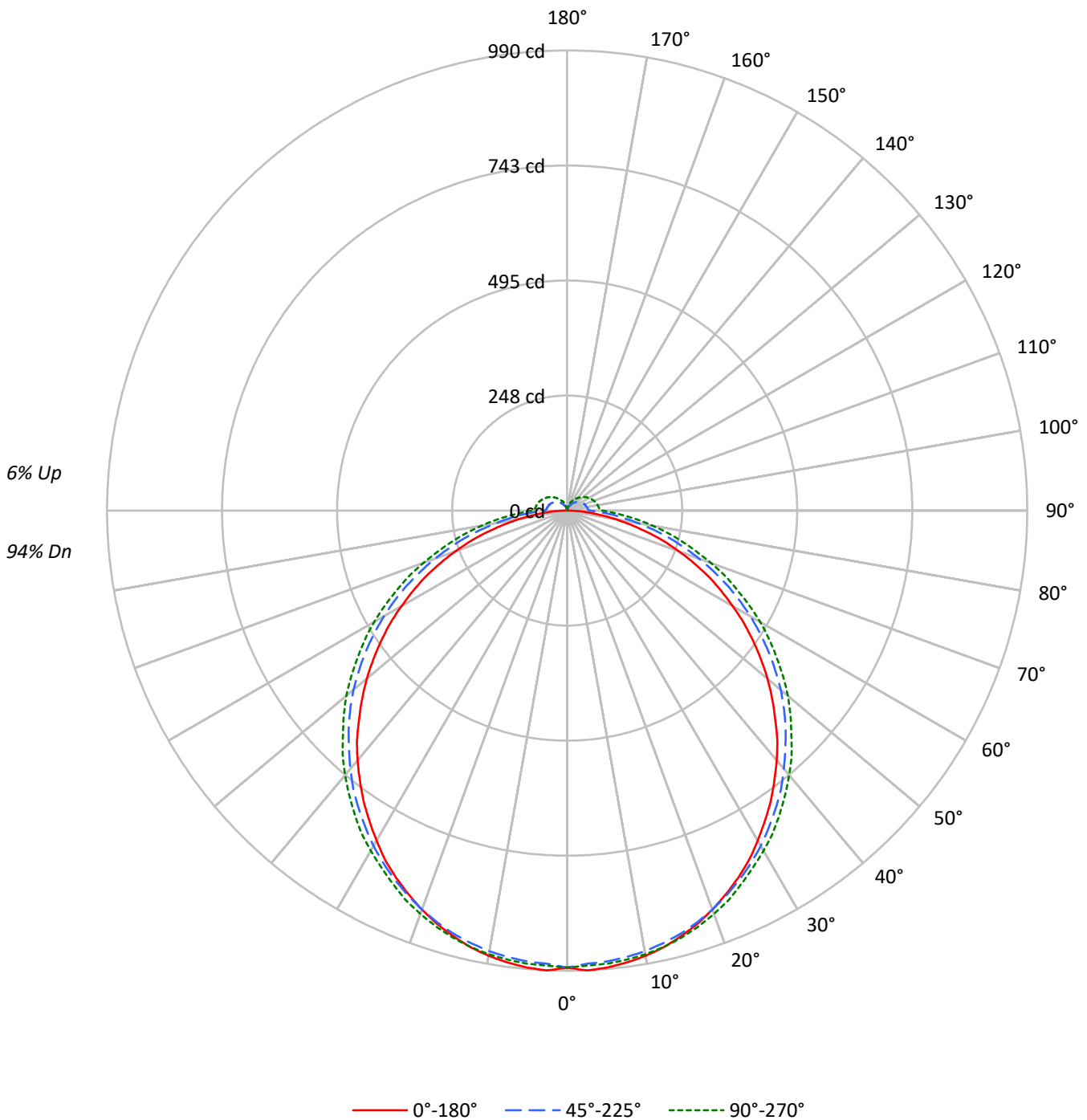
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3124.1 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 24.2
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

TEST NUMBER: P567736
CATALOG NUMBER: 8SNX-40SL-FDL-UNV-L940-CD

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	118	118	118	118	114	114	114	114	108	108	108		102	102	102		97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87		88	86	83		84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71		77	73	69		73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59		68	62	57		64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50		60	54	49		57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43		54	47	42		51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38		49	42	37		47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33		44	38	33		43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30		41	34	29		39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27		37	31	26		36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24		35	28	24		33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5291	5291	5291
5°	5329	5205	5211
10°	5310	5150	5145
15°	5273	5087	5072
20°	5221	5010	4986
25°	5162	4925	4884
30°	5080	4838	4789
35°	4997	4736	4690
40°	4907	4624	4580
45°	4792	4513	4450
50°	4682	4386	4332
55°	4544	4229	4168
60°	4391	4049	4006
65°	4229	3834	3784
70°	3948	3564	3553
75°	3610	3245	3277
80°	3116	2822	2970
85°	2518	2461	2610



TEST NUMBER: P567736

CATALOG NUMBER: 8SNX-40SL-FDL-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	3.0
10°-20°	267.5	8.6
20°-30°	405.4	13.0
30°-40°	489.4	15.7
40°-50°	511.1	16.4
50°-60°	469.5	15.0
60°-70°	371.3	11.9
70°-80°	235.0	7.5
80°-90°	101.0	3.2
90°-100°	44.5	1.4
100°-110°	39.8	1.3
110°-120°	33.6	1.1
120°-130°	26.2	0.8
130°-140°	18.1	0.6
140°-150°	10.9	0.3
150°-160°	5.3	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	766.2	24.5
0°-40°	1255.6	40.2
0°-60°	2236.2	71.6
0°-90°	2943.5	94.2
90°-120°	117.9	3.8
90°-150°	173.1	5.5
90°-180°	181.0	5.8
0°-180°	3124.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	987	984	974	982	979	94
15°	948	948	943	953	951	267
25°	871	875	876	888	886	401
35°	763	772	782	794	797	477
45°	633	648	665	678	682	489
55°	488	508	529	546	550	437
65°	336	355	380	397	403	331
75°	177	198	227	246	256	188
85°	43	66	95	116	123	48
90°	3	24	49	68	75	4
95°	1	20	44	62	69	0
105°	1	19	42	58	64	1
115°	1	16	38	53	58	1
125°	1	14	32	45	50	1
135°	1	11	25	36	40	1
145°	1	8	18	27	30	1
155°	1	6	12	17	20	1
165°	2	4	6	8	12	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567736

CATALOG NUMBER: 8SNX-40SL-FDL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	983.1	983.1	983.1	983.1	983.1
2.5°	990.3	986.9	975.9	983.6	979.7
5°	986.9	984.2	973.7	982.0	978.6
7.5°	980.9	978.6	969.2	978.1	974.8
10°	972.6	970.9	962.6	971.4	969.2
12.5°	962.0	961.5	953.2	963.1	961.5
15°	947.7	947.7	942.7	952.6	951.0
17.5°	932.2	932.7	928.8	939.4	938.3
20°	913.4	916.1	913.4	924.4	923.3
22.5°	892.9	896.8	895.7	906.7	907.3
25°	871.3	875.2	876.3	887.9	886.3
27.5°	847.5	853.6	855.8	866.3	865.8
30°	819.9	828.2	833.1	842.0	844.8
32.5°	791.7	801.6	807.7	819.9	823.2
35°	763.4	772.3	782.2	794.4	797.2
37.5°	732.5	742.4	755.7	767.3	770.6
40°	701.5	712.5	725.3	738.0	743.0
42.5°	669.4	681.0	694.8	709.8	714.8
45°	632.9	648.4	665.0	677.7	682.1
47.5°	598.0	615.2	632.9	646.7	651.7
50°	562.6	580.9	599.7	612.4	620.2
52.5°	525.6	545.5	564.3	580.3	585.3
55°	487.9	507.9	528.9	546.0	549.9
57.5°	451.4	470.8	491.8	507.9	515.6
60°	411.6	432.6	455.3	471.3	479.6
62.5°	372.9	393.3	417.7	434.8	441.5
65°	335.8	354.6	379.5	397.2	403.3
67.5°	294.9	316.4	340.2	360.7	368.4
70°	254.5	274.9	302.1	321.4	329.2
72.5°	216.9	236.8	263.9	283.2	290.4
75°	177.0	198.1	226.8	246.2	255.6
77.5°	138.9	162.1	189.8	210.8	221.3
80°	103.5	123.9	153.8	177.0	186.4
82.5°	70.3	92.4	123.4	144.9	155.5
85°	43.2	66.4	95.2	115.6	122.8
87.5°	20.5	42.6	69.2	89.1	97.9
90°	2.8	23.8	48.7	68.0	75.2
92.5°	0.6	20.5	44.8	63.1	69.7
95°	0.6	20.5	44.3	62.0	68.6
97.5°	0.6	19.9	43.7	61.4	67.5
100°	0.6	19.4	43.2	60.3	66.9
102.5°	0.6	19.4	42.0	59.2	65.3
105°	0.6	18.8	41.5	58.1	64.2
107.5°	0.6	18.3	40.4	57.0	63.1
110°	0.6	17.1	39.8	55.3	61.4



TEST NUMBER: P567736

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	16.6	38.7	54.2	59.7
115°	0.6	16.0	37.6	52.6	58.1
117.5°	0.6	15.5	36.0	50.9	56.4
120°	1.1	15.5	34.9	49.2	54.2
122.5°	1.1	14.9	33.2	47.0	52.0
125°	1.1	14.4	31.5	45.4	50.3
127.5°	1.1	13.8	29.9	43.2	47.6
130°	1.1	12.7	28.8	40.9	45.4
132.5°	1.1	12.2	27.1	38.2	42.6
135°	1.1	11.1	25.4	36.0	40.4
137.5°	1.1	10.5	23.8	33.7	37.6
140°	1.1	10.0	21.6	31.5	35.4
142.5°	1.1	8.9	19.9	29.3	32.6
145°	1.1	8.3	17.7	27.1	29.9
147.5°	1.1	7.2	16.0	24.9	27.7
150°	1.1	6.6	14.4	22.7	25.4
152.5°	1.1	6.1	12.7	19.9	22.7
155°	1.1	5.5	11.6	17.1	20.5
157.5°	1.1	5.0	10.0	14.9	18.3
160°	1.7	4.4	8.9	12.7	15.5
162.5°	1.7	3.9	7.2	10.5	13.8
165°	1.7	3.9	6.1	8.3	11.6
167.5°	1.7	3.3	5.0	6.6	9.4
170°	1.7	2.8	4.4	5.0	7.2
172.5°	1.7	2.2	3.3	3.3	3.9
175°	1.7	2.2	2.8	2.8	1.7
177.5°	1.7	1.7	1.7	1.7	1.1
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)