

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: P567760

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567760
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-40SL-LW-UNV-L940-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

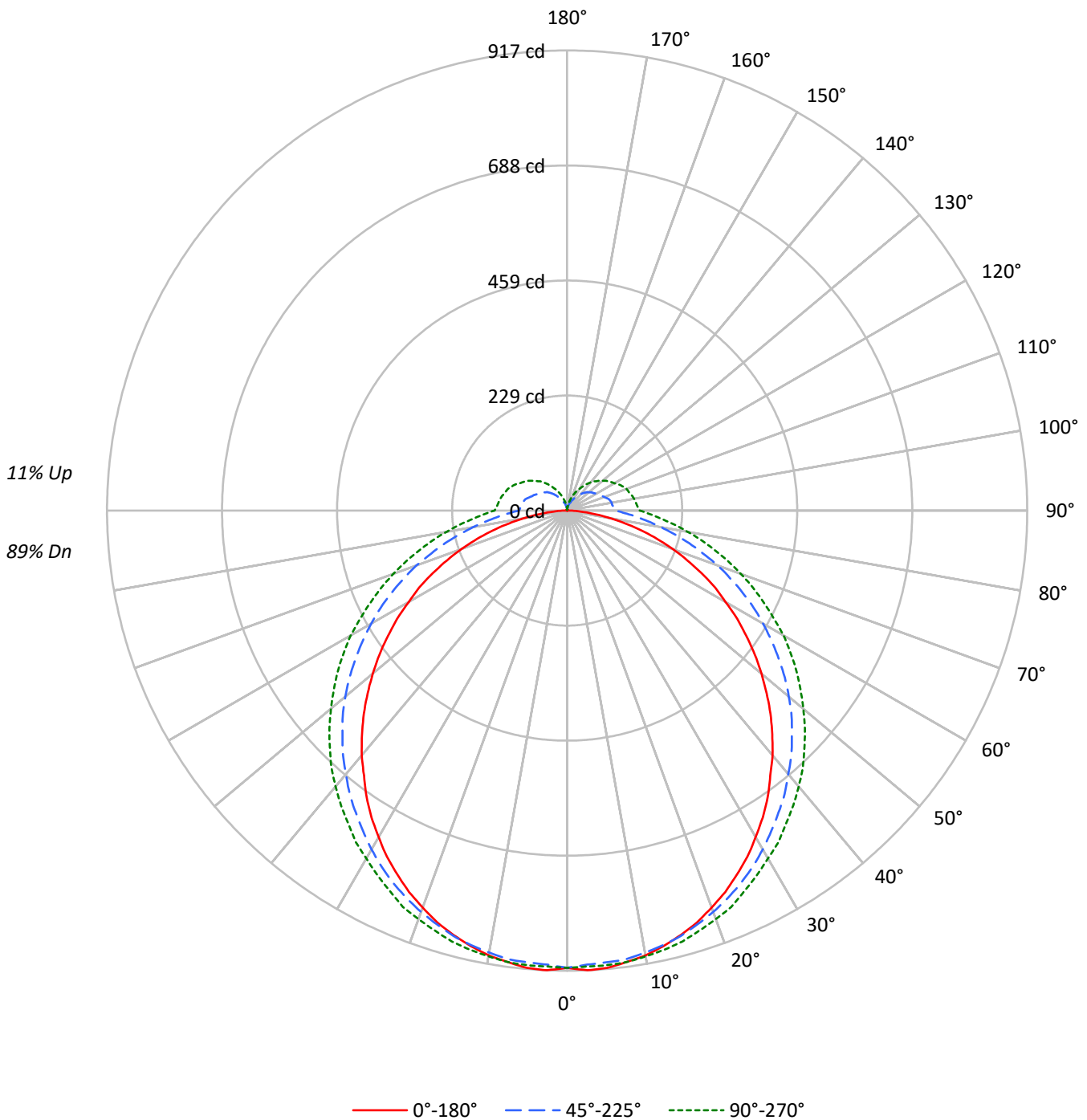
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3244.0 lumens
Efficiency: N/A
Efficacy: 134.1 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): 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: P567760
CATALOG NUMBER: 8SNX-40SL-LW-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	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°	4904	4904	4904
5°	4934	4683	4642
10°	4900	4501	4410
15°	4851	4325	4201
20°	4784	4142	3992
25°	4707	3966	3788
30°	4615	3784	3592
35°	4514	3601	3408
40°	4398	3422	3233
45°	4273	3243	3055
50°	4129	3058	2867
55°	3972	2851	2682
60°	3787	2635	2487
65°	3596	2402	2265
70°	3328	2152	2047
75°	2973	1860	1815
80°	2395	1566	1584
85°	1686	1292	1346



TEST NUMBER: P567760

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	2.7
10°-20°	248.8	7.7
20°-30°	378.3	11.7
30°-40°	459.2	14.2
40°-50°	485.2	15.0
50°-60°	454.1	14.0
60°-70°	372.5	11.5
70°-80°	256.3	7.9
80°-90°	140.3	4.3
90°-100°	90.4	2.8
100°-110°	81.1	2.5
110°-120°	67.1	2.1
120°-130°	51.7	1.6
130°-140°	36.3	1.1
140°-150°	21.9	0.7
150°-160°	10.5	0.3
160°-170°	3.4	0.1
170°-180°	0.4	0.0
0°-30°	713.6	22.0
0°-40°	1172.8	36.2
0°-60°	2112.1	65.1
0°-90°	2881.2	88.8
90°-120°	238.6	7.4
90°-150°	348.5	10.7
90°-180°	363.0	11.2
0°-180°	3244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	911	911	911	911	911	
5°	915	913	904	911	909	87
15°	876	879	877	889	889	247
25°	800	810	819	836	836	369
35°	697	714	735	755	761	435
45°	573	599	633	661	669	442
55°	436	472	515	547	558	390
65°	295	334	385	421	432	292
75°	154	195	252	291	304	162
85°	34	81	137	175	188	39
90°	0	45	96	132	145	2
95°	0	43	92	126	139	0
105°	0	36	86	118	130	1
115°	2	32	73	105	118	2
125°	2	26	62	90	102	2
135°	2	21	51	73	83	1
145°	2	15	36	56	62	1
155°	2	9	22	36	41	1
165°	2	6	11	17	21	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567760

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	911.2	911.2	911.2	911.2	911.2
2.5°	916.9	915.0	905.6	913.1	909.4
5°	915.0	913.1	903.7	911.2	909.4
7.5°	907.5	907.5	901.9	909.4	907.5
10°	900.0	900.0	894.3	903.7	901.9
12.5°	888.7	890.6	886.8	898.1	896.2
15°	875.5	879.3	877.4	888.7	888.7
17.5°	860.5	864.3	864.3	877.4	877.4
20°	841.7	847.4	851.1	866.2	866.2
22.5°	822.9	830.5	836.1	849.2	854.9
25°	800.4	809.8	819.2	836.1	836.1
27.5°	777.8	789.1	800.4	817.3	819.2
30°	751.5	764.7	779.7	796.6	800.4
32.5°	725.2	742.1	757.2	777.8	783.5
35°	697.1	714.0	734.6	755.3	760.9
37.5°	665.1	685.8	712.1	734.6	740.3
40°	636.9	659.5	685.8	712.1	717.7
42.5°	605.0	629.4	661.4	685.8	695.2
45°	573.1	599.4	633.2	661.4	668.9
47.5°	539.2	569.3	606.9	633.2	642.6
50°	505.4	537.4	576.8	606.9	614.4
52.5°	471.6	505.4	546.7	576.8	586.2
55°	435.9	471.6	514.8	546.7	558.0
57.5°	402.1	437.8	482.9	516.7	528.0
60°	364.5	405.8	450.9	484.7	497.9
62.5°	332.6	370.1	419.0	452.8	464.1
65°	295.0	334.4	385.2	420.9	432.1
67.5°	259.3	300.6	351.3	388.9	400.2
70°	223.6	264.9	319.4	355.1	368.3
72.5°	187.9	231.1	283.7	323.2	336.3
75°	154.1	195.4	251.8	291.2	304.4
77.5°	118.4	163.5	219.8	259.3	274.3
80°	86.4	133.4	189.8	229.2	244.3
82.5°	58.2	105.2	161.6	201.0	216.1
85°	33.8	80.8	137.2	174.7	187.9
87.5°	16.9	62.0	114.6	152.2	165.3
90°	0.0	45.1	95.8	131.5	144.7
92.5°	0.0	43.2	93.9	127.8	140.9
95°	0.0	43.2	92.1	125.9	139.0
97.5°	0.0	41.3	90.2	125.9	137.2
100°	0.0	39.5	90.2	124.0	135.3
102.5°	0.0	37.6	88.3	122.1	133.4
105°	0.0	35.7	86.4	118.4	129.6
107.5°	1.9	35.7	82.7	116.5	127.8
110°	1.9	33.8	78.9	114.6	125.9



TEST NUMBER: P567760

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	31.9	75.2	110.9	122.1
115°	1.9	31.9	73.3	105.2	118.4
117.5°	1.9	30.1	69.5	101.5	114.6
120°	1.9	30.1	67.6	97.7	109.0
122.5°	1.9	28.2	63.9	93.9	105.2
125°	1.9	26.3	62.0	90.2	101.5
127.5°	1.9	24.4	60.1	86.4	97.7
130°	1.9	22.5	56.4	82.7	92.1
132.5°	1.9	22.5	54.5	77.0	88.3
135°	1.9	20.7	50.7	73.3	82.7
137.5°	1.9	18.8	47.0	69.5	78.9
140°	1.9	16.9	43.2	65.8	73.3
142.5°	1.9	16.9	39.5	60.1	67.6
145°	1.9	15.0	35.7	56.4	62.0
147.5°	1.9	13.2	31.9	50.7	56.4
150°	1.9	13.2	28.2	45.1	50.7
152.5°	1.9	11.3	24.4	41.3	47.0
155°	1.9	9.4	22.5	35.7	41.3
157.5°	1.9	9.4	18.8	30.1	35.7
160°	1.9	7.5	16.9	24.4	30.1
162.5°	1.9	7.5	15.0	20.7	26.3
165°	1.9	5.6	11.3	16.9	20.7
167.5°	1.9	5.6	9.4	13.2	16.9
170°	1.9	3.8	7.5	9.4	13.2
172.5°	1.9	3.8	5.6	5.6	5.6
175°	1.9	1.9	3.8	3.8	1.9
177.5°	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)