

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: P567732

Luminaire Tested: **8SNX-40SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567732
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-L840-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

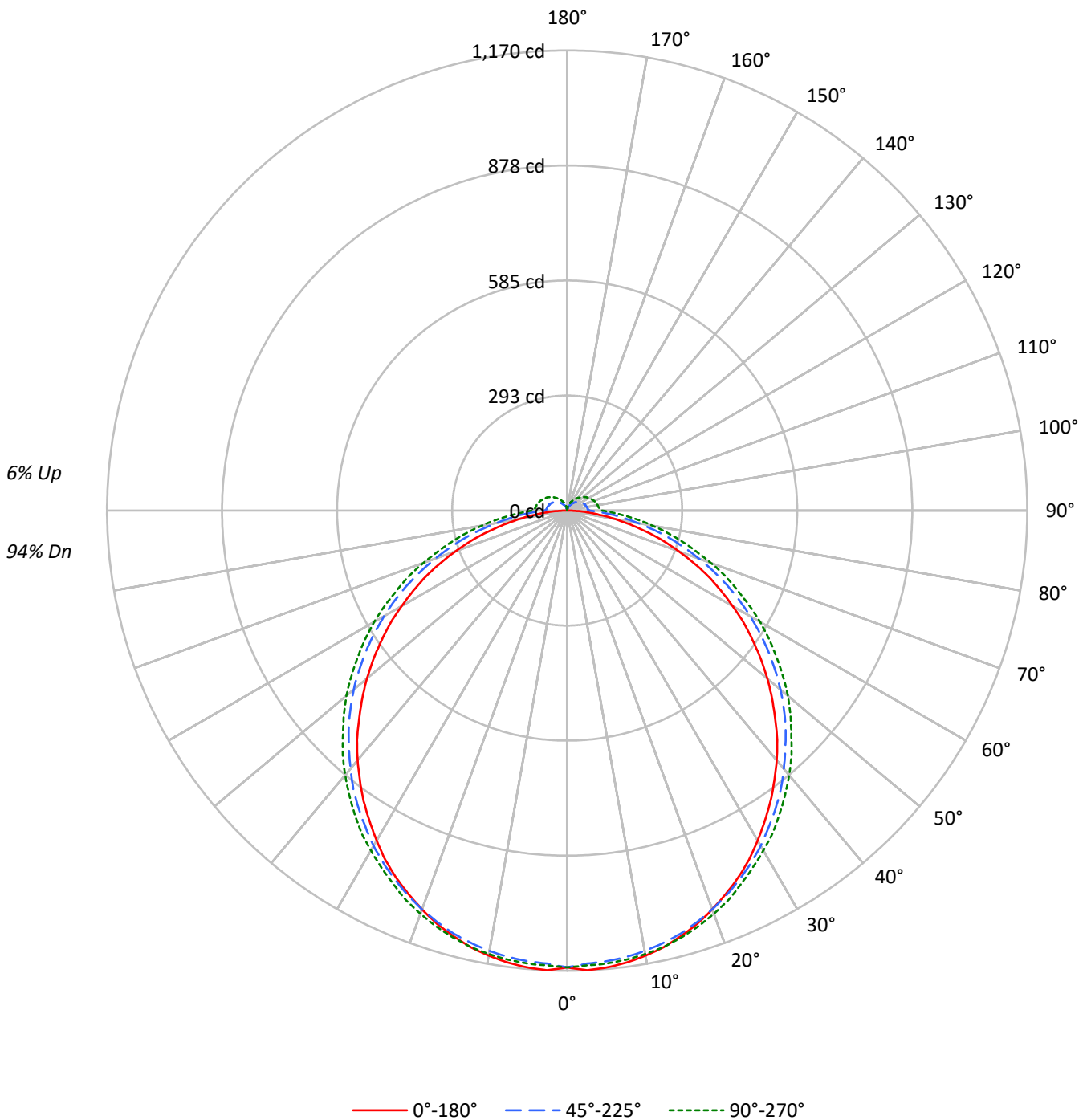
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3691.0 lumens
Efficiency: N/A
Efficacy: 152.5 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

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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	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°	6251	6251	6251
5°	6297	6150	6157
10°	6274	6085	6079
15°	6230	6010	5993
20°	6169	5919	5891
25°	6099	5818	5770
30°	6002	5716	5658
35°	5905	5596	5542
40°	5798	5463	5410
45°	5661	5332	5258
50°	5531	5182	5118
55°	5369	4996	4924
60°	5188	4783	4733
65°	4996	4530	4470
70°	4665	4210	4198
75°	4267	3834	3872
80°	3679	3334	3510
85°	2972	2905	3084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	3.0
10°-20°	316.1	8.6
20°-30°	479.0	13.0
30°-40°	578.3	15.7
40°-50°	603.8	16.4
50°-60°	554.7	15.0
60°-70°	438.7	11.9
70°-80°	277.7	7.5
80°-90°	119.3	3.2
90°-100°	52.5	1.4
100°-110°	47.0	1.3
110°-120°	39.7	1.1
120°-130°	31.0	0.8
130°-140°	21.4	0.6
140°-150°	12.9	0.3
150°-160°	6.3	0.2
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	905.2	24.5
0°-40°	1483.5	40.2
0°-60°	2642.1	71.6
0°-90°	3477.8	94.2
90°-120°	139.3	3.8
90°-150°	204.5	5.5
90°-180°	213.0	5.8
0°-180°	3691.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1166	1163	1150	1160	1156	111
15°	1120	1120	1114	1126	1124	316
25°	1030	1034	1035	1049	1047	474
35°	902	912	924	939	942	564
45°	748	766	786	801	806	578
55°	576	600	625	645	650	516
65°	397	419	448	469	476	391
75°	209	234	268	291	302	222
85°	51	78	112	137	145	56
90°	3	28	58	80	89	4
95°	1	24	52	73	81	1
105°	1	22	49	69	76	1
115°	1	19	44	62	69	1
125°	1	17	37	54	60	1
135°	1	13	30	42	48	1
145°	1	10	21	32	35	1
155°	1	6	14	20	24	1
165°	2	5	7	10	14	1
175°	2	3	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1161.5	1161.5	1161.5	1161.5	1161.5
2.5°	1170.0	1166.1	1153.0	1162.1	1157.6
5°	1166.1	1162.8	1150.4	1160.2	1156.3
7.5°	1158.9	1156.3	1145.1	1155.6	1151.7
10°	1149.1	1147.1	1137.3	1147.8	1145.1
12.5°	1136.7	1136.0	1126.2	1138.0	1136.0
15°	1119.7	1119.7	1113.8	1125.5	1123.6
17.5°	1101.4	1102.0	1097.4	1109.9	1108.5
20°	1079.1	1082.4	1079.1	1092.2	1090.9
22.5°	1054.9	1059.5	1058.2	1071.3	1071.9
25°	1029.5	1034.0	1035.3	1049.1	1047.1
27.5°	1001.4	1008.5	1011.2	1023.6	1022.9
30°	968.7	978.5	984.4	994.8	998.1
32.5°	935.3	947.1	954.3	968.7	972.6
35°	902.0	912.5	924.2	938.6	941.9
37.5°	865.4	877.2	892.8	906.6	910.5
40°	828.8	841.9	856.9	871.9	877.8
42.5°	790.9	804.6	821.0	838.6	844.5
45°	747.7	766.0	785.7	800.7	805.9
47.5°	706.6	726.8	747.7	764.1	770.0
50°	664.7	686.3	708.5	723.6	732.7
52.5°	620.9	644.5	666.7	685.7	691.5
55°	576.5	600.0	624.9	645.1	649.7
57.5°	533.4	556.2	581.1	600.0	609.2
60°	486.3	511.1	537.9	556.9	566.7
62.5°	440.5	464.7	493.5	513.7	521.6
65°	396.7	419.0	448.4	469.3	476.5
67.5°	348.4	373.9	402.0	426.2	435.3
70°	300.7	324.9	356.9	379.8	388.9
72.5°	256.2	279.8	311.8	334.7	343.2
75°	209.2	234.0	268.0	290.9	302.0
77.5°	164.1	191.5	224.2	249.0	261.4
80°	122.2	146.4	181.7	209.2	220.3
82.5°	83.0	109.2	145.8	171.2	183.7
85°	51.0	78.4	112.4	136.6	145.1
87.5°	24.2	50.3	81.7	105.2	115.7
90°	3.3	28.1	57.5	80.4	88.9
92.5°	0.7	24.2	52.9	74.5	82.4
95°	0.7	24.2	52.3	73.2	81.0
97.5°	0.7	23.5	51.6	72.6	79.7
100°	0.7	22.9	51.0	71.2	79.1
102.5°	0.7	22.9	49.7	69.9	77.1
105°	0.7	22.2	49.0	68.6	75.8
107.5°	0.7	21.6	47.7	67.3	74.5
110°	0.7	20.3	47.1	65.4	72.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	19.6	45.8	64.1	70.6
115°	0.7	19.0	44.4	62.1	68.6
117.5°	0.7	18.3	42.5	60.1	66.7
120°	1.3	18.3	41.2	58.2	64.1
122.5°	1.3	17.6	39.2	55.6	61.4
125°	1.3	17.0	37.3	53.6	59.5
127.5°	1.3	16.3	35.3	51.0	56.2
130°	1.3	15.0	34.0	48.4	53.6
132.5°	1.3	14.4	32.0	45.1	50.3
135°	1.3	13.1	30.1	42.5	47.7
137.5°	1.3	12.4	28.1	39.9	44.4
140°	1.3	11.8	25.5	37.3	41.8
142.5°	1.3	10.5	23.5	34.6	38.6
145°	1.3	9.8	20.9	32.0	35.3
147.5°	1.3	8.5	19.0	29.4	32.7
150°	1.3	7.8	17.0	26.8	30.1
152.5°	1.3	7.2	15.0	23.5	26.8
155°	1.3	6.5	13.7	20.3	24.2
157.5°	1.3	5.9	11.8	17.6	21.6
160°	2.0	5.2	10.5	15.0	18.3
162.5°	2.0	4.6	8.5	12.4	16.3
165°	2.0	4.6	7.2	9.8	13.7
167.5°	2.0	3.9	5.9	7.8	11.1
170°	2.0	3.3	5.2	5.9	8.5
172.5°	2.0	2.6	3.9	3.9	4.6
175°	2.0	2.6	3.3	3.3	2.0
177.5°	2.0	2.0	2.0	2.0	1.3
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)