

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: P567730

Luminaire Tested: **8SNX-40SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567730
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-L830-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

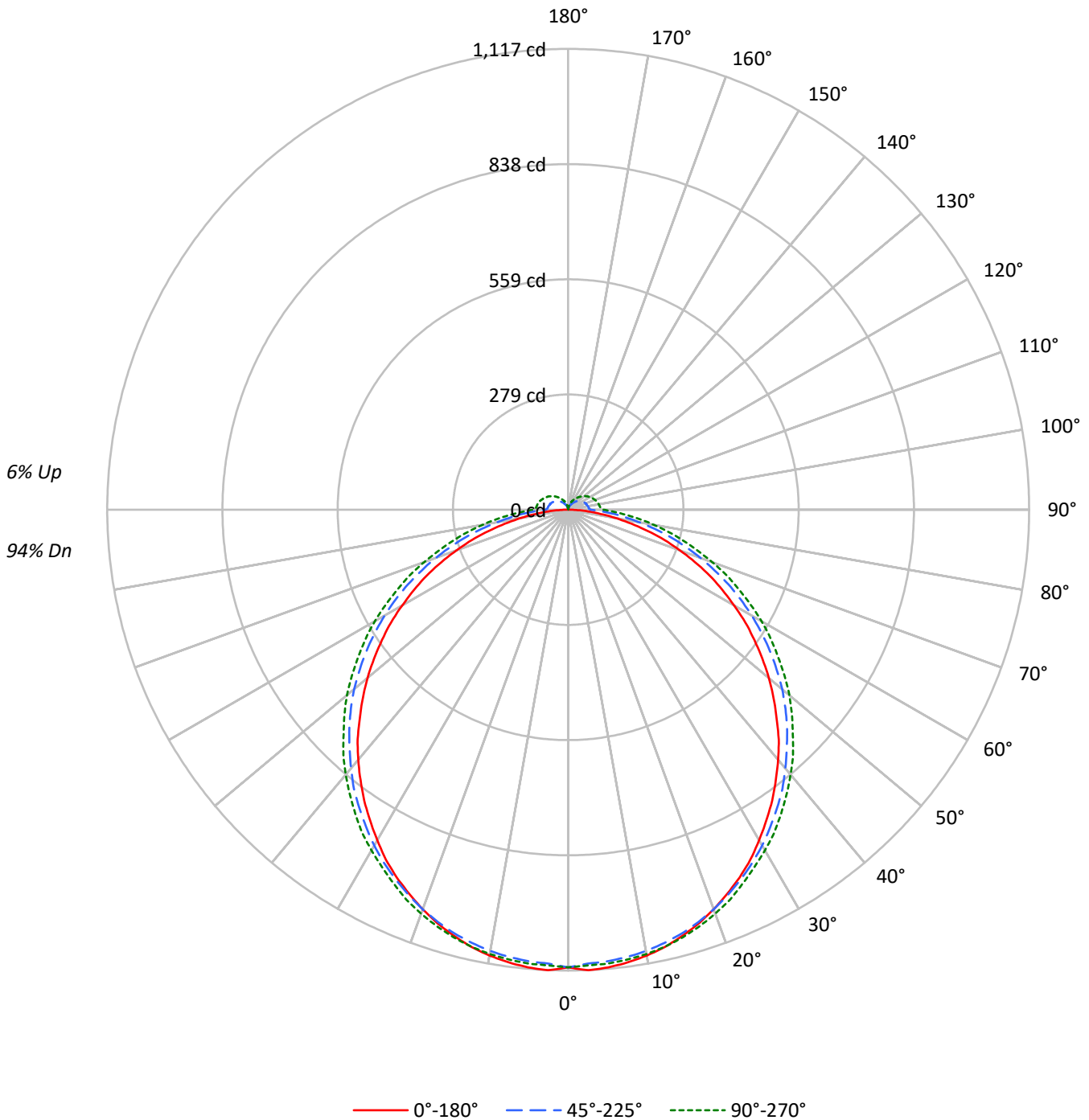
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3525.0 lumens
Efficiency: N/A
Efficacy: 145.7 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°	5970	5970	5970
5°	6014	5873	5880
10°	5992	5812	5806
15°	5950	5740	5723
20°	5891	5653	5626
25°	5824	5557	5510
30°	5732	5459	5404
35°	5639	5345	5292
40°	5537	5218	5167
45°	5407	5092	5021
50°	5282	4949	4888
55°	5128	4772	4703
60°	4954	4568	4520
65°	4772	4326	4270
70°	4454	4020	4009
75°	4075	3661	3697
80°	3513	3183	3352
85°	2838	2776	2946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	3.0
10°-20°	301.9	8.6
20°-30°	457.5	13.0
30°-40°	552.2	15.7
40°-50°	576.7	16.4
50°-60°	529.8	15.0
60°-70°	418.9	11.9
70°-80°	265.1	7.5
80°-90°	114.0	3.2
90°-100°	50.2	1.4
100°-110°	44.9	1.3
110°-120°	37.9	1.1
120°-130°	29.6	0.8
130°-140°	20.5	0.6
140°-150°	12.3	0.3
150°-160°	6.0	0.2
160°-170°	2.1	0.1
170°-180°	0.3	0.0
0°-30°	864.5	24.5
0°-40°	1416.8	40.2
0°-60°	2523.2	71.6
0°-90°	3321.3	94.2
90°-120°	133.0	3.8
90°-150°	195.3	5.5
90°-180°	204.0	5.8
0°-180°	3525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1109	1109	1109	1109	1109	
5°	1114	1110	1099	1108	1104	106
15°	1069	1069	1064	1075	1073	302
25°	983	988	989	1002	1000	453
35°	861	871	883	896	900	539
45°	714	732	750	765	770	552
55°	551	573	597	616	620	493
65°	379	400	428	448	455	373
75°	200	224	256	278	288	212
85°	49	75	107	130	139	54
90°	3	27	55	77	85	4
95°	1	23	50	70	77	0
105°	1	21	47	66	72	1
115°	1	18	42	59	66	1
125°	1	16	36	51	57	1
135°	1	12	29	41	46	1
145°	1	9	20	31	34	1
155°	1	6	13	19	23	1
165°	2	4	7	9	13	1
175°	2	2	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°	1109.3	1109.3	1109.3	1109.3	1109.3
2.5°	1117.4	1113.6	1101.1	1109.9	1105.5
5°	1113.6	1110.5	1098.6	1108.0	1104.3
7.5°	1106.8	1104.3	1093.6	1103.6	1099.9
10°	1097.4	1095.5	1086.2	1096.1	1093.6
12.5°	1085.5	1084.9	1075.5	1086.8	1084.9
15°	1069.3	1069.3	1063.7	1074.9	1073.0
17.5°	1051.8	1052.4	1048.1	1059.9	1058.7
20°	1030.6	1033.7	1030.6	1043.1	1041.8
22.5°	1007.5	1011.9	1010.6	1023.1	1023.7
25°	983.2	987.5	988.8	1001.9	1000.0
27.5°	956.3	963.2	965.7	977.5	976.9
30°	925.1	934.5	940.1	950.1	953.2
32.5°	893.3	904.5	911.4	925.1	928.8
35°	861.4	871.4	882.7	896.4	899.5
37.5°	826.5	837.7	852.7	865.8	869.5
40°	791.5	804.0	818.4	832.7	838.3
42.5°	755.3	768.4	784.0	800.9	806.5
45°	714.1	731.6	750.3	764.7	769.7
47.5°	674.8	694.1	714.1	729.7	735.3
50°	634.8	655.4	676.7	691.0	699.8
52.5°	593.0	615.5	636.7	654.8	660.4
55°	550.6	573.0	596.8	616.1	620.5
57.5°	509.4	531.2	554.9	573.0	581.8
60°	464.4	488.1	513.7	531.8	541.2
62.5°	420.7	443.8	471.3	490.6	498.1
65°	378.9	400.1	428.2	448.2	455.1
67.5°	332.7	357.1	383.9	407.0	415.7
70°	287.1	310.2	340.8	362.7	371.4
72.5°	244.7	267.2	297.8	319.6	327.7
75°	199.8	223.5	255.9	277.8	288.4
77.5°	156.7	182.9	214.1	237.8	249.7
80°	116.7	139.8	173.5	199.8	210.4
82.5°	79.3	104.2	139.2	163.5	175.4
85°	48.7	74.9	107.4	130.5	138.6
87.5°	23.1	48.1	78.0	100.5	110.5
90°	3.1	26.8	54.9	76.8	84.9
92.5°	0.6	23.1	50.6	71.2	78.7
95°	0.6	23.1	49.9	69.9	77.4
97.5°	0.6	22.5	49.3	69.3	76.2
100°	0.6	21.8	48.7	68.0	75.5
102.5°	0.6	21.8	47.4	66.8	73.7
105°	0.6	21.2	46.8	65.5	72.4
107.5°	0.6	20.6	45.6	64.3	71.2
110°	0.6	19.4	44.9	62.4	69.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.7	43.7	61.2	67.4
115°	0.6	18.1	42.4	59.3	65.5
117.5°	0.6	17.5	40.6	57.4	63.7
120°	1.2	17.5	39.3	55.6	61.2
122.5°	1.2	16.9	37.5	53.1	58.7
125°	1.2	16.2	35.6	51.2	56.8
127.5°	1.2	15.6	33.7	48.7	53.7
130°	1.2	14.4	32.5	46.2	51.2
132.5°	1.2	13.7	30.6	43.1	48.1
135°	1.2	12.5	28.7	40.6	45.6
137.5°	1.2	11.9	26.8	38.1	42.4
140°	1.2	11.2	24.3	35.6	40.0
142.5°	1.2	10.0	22.5	33.1	36.8
145°	1.2	9.4	20.0	30.6	33.7
147.5°	1.2	8.1	18.1	28.1	31.2
150°	1.2	7.5	16.2	25.6	28.7
152.5°	1.2	6.9	14.4	22.5	25.6
155°	1.2	6.2	13.1	19.4	23.1
157.5°	1.2	5.6	11.2	16.9	20.6
160°	1.9	5.0	10.0	14.4	17.5
162.5°	1.9	4.4	8.1	11.9	15.6
165°	1.9	4.4	6.9	9.4	13.1
167.5°	1.9	3.7	5.6	7.5	10.6
170°	1.9	3.1	5.0	5.6	8.1
172.5°	1.9	2.5	3.7	3.7	4.4
175°	1.9	2.5	3.1	3.1	1.9
177.5°	1.9	1.9	1.9	1.9	1.2
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)