

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: P567754

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567754
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-L830-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

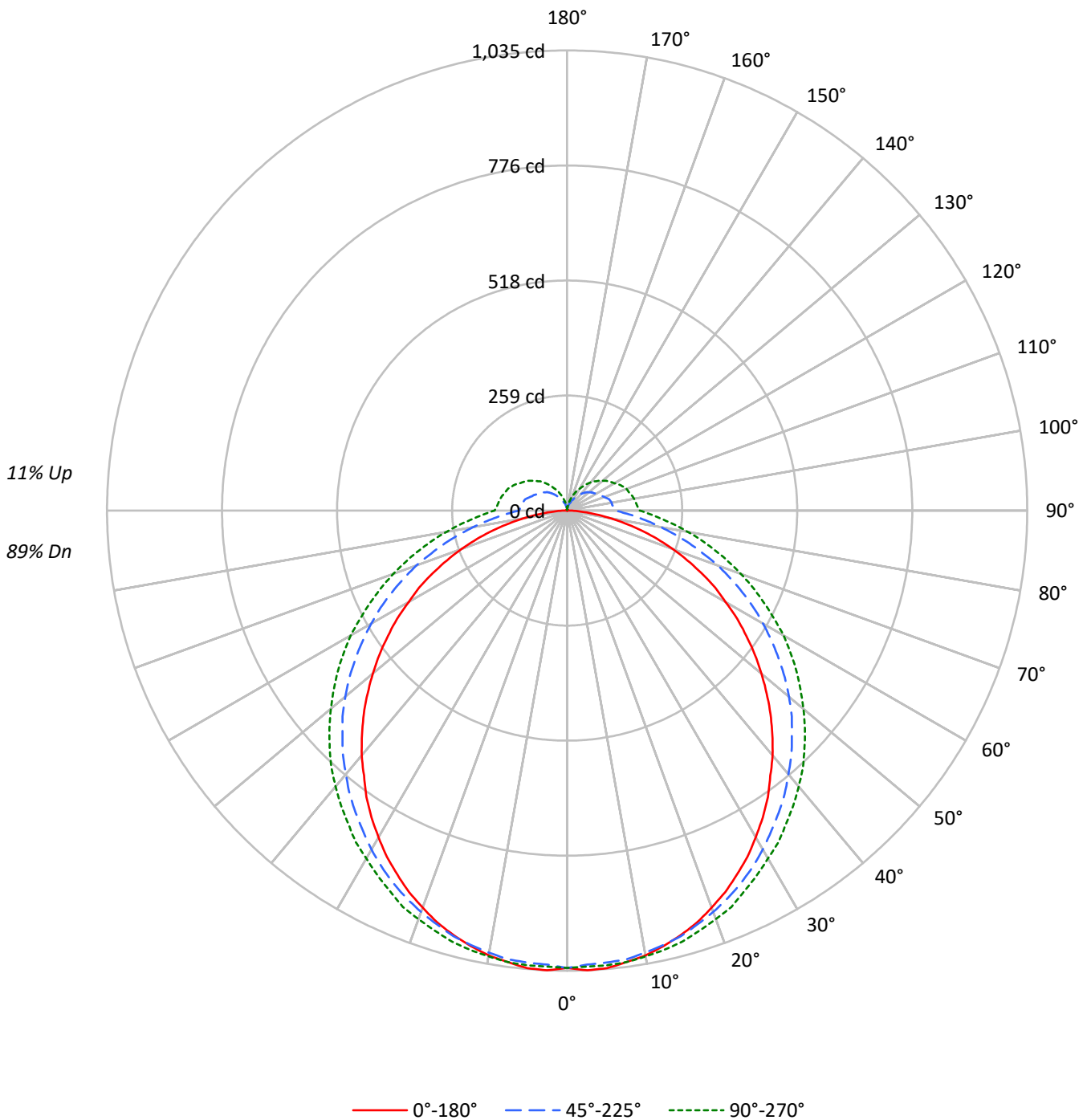
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3662.0 lumens
Efficiency: N/A
Efficacy: 151.3 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

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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	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°	5536	5536	5536
5°	5570	5287	5240
10°	5532	5082	4979
15°	5477	4883	4742
20°	5401	4676	4507
25°	5314	4476	4275
30°	5210	4271	4054
35°	5096	4065	3848
40°	4965	3863	3650
45°	4823	3661	3448
50°	4661	3452	3236
55°	4484	3218	3028
60°	4275	2974	2808
65°	4059	2711	2557
70°	3757	2429	2310
75°	3355	2100	2048
80°	2705	1767	1787
85°	1905	1458	1519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	2.7
10°-20°	280.8	7.7
20°-30°	427.0	11.7
30°-40°	518.4	14.2
40°-50°	547.8	15.0
50°-60°	512.6	14.0
60°-70°	420.6	11.5
70°-80°	289.3	7.9
80°-90°	158.4	4.3
90°-100°	102.0	2.8
100°-110°	91.5	2.5
110°-120°	75.8	2.1
120°-130°	58.3	1.6
130°-140°	41.0	1.1
140°-150°	24.7	0.7
150°-160°	11.8	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	805.6	22.0
0°-40°	1323.9	36.2
0°-60°	2384.2	65.1
0°-90°	3252.5	88.8
90°-120°	269.3	7.4
90°-150°	393.3	10.7
90°-180°	410.0	11.2
0°-180°	3662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1033	1031	1020	1029	1026	98
15°	988	993	990	1003	1003	279
25°	904	914	925	944	944	416
35°	787	806	829	853	859	492
45°	647	677	715	747	755	499
55°	492	532	581	617	630	440
65°	333	378	435	475	488	330
75°	174	221	284	329	344	183
85°	38	91	155	197	212	44
90°	0	51	108	148	163	3
95°	0	49	104	142	157	0
105°	0	40	98	134	146	1
115°	2	36	83	119	134	2
125°	2	30	70	102	114	2
135°	2	23	57	83	93	2
145°	2	17	40	64	70	1
155°	2	11	26	40	47	1
165°	2	6	13	19	23	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1028.7	1028.7	1028.7	1028.7	1028.7
2.5°	1035.0	1032.9	1022.3	1030.8	1026.5
5°	1032.9	1030.8	1020.2	1028.7	1026.5
7.5°	1024.4	1024.4	1018.1	1026.5	1024.4
10°	1015.9	1015.9	1009.6	1020.2	1018.1
12.5°	1003.2	1005.3	1001.1	1013.8	1011.7
15°	988.4	992.6	990.5	1003.2	1003.2
17.5°	971.4	975.6	975.6	990.5	990.5
20°	950.2	956.6	960.8	977.8	977.8
22.5°	929.0	937.5	943.8	958.7	965.0
25°	903.5	914.1	924.7	943.8	943.8
27.5°	878.1	890.8	903.5	922.6	924.7
30°	848.4	863.2	880.2	899.3	903.5
32.5°	818.7	837.8	854.7	878.1	884.4
35°	786.9	806.0	829.3	852.6	859.0
37.5°	750.8	774.1	803.8	829.3	835.7
40°	719.0	744.5	774.1	803.8	810.2
42.5°	682.9	710.5	746.6	774.1	784.8
45°	646.9	676.6	714.8	746.6	755.1
47.5°	608.7	642.7	685.1	714.8	725.4
50°	570.5	606.6	651.1	685.1	693.6
52.5°	532.4	570.5	617.2	651.1	661.7
55°	492.1	532.4	581.1	617.2	629.9
57.5°	453.9	494.2	545.1	583.3	596.0
60°	411.5	458.1	509.0	547.2	562.1
62.5°	375.4	417.8	473.0	511.2	523.9
65°	333.0	377.5	434.8	475.1	487.8
67.5°	292.7	339.4	396.6	439.0	451.8
70°	252.4	299.1	360.6	400.9	415.7
72.5°	212.1	260.9	320.3	364.8	379.7
75°	173.9	220.6	284.2	328.7	343.6
77.5°	133.6	184.5	248.2	292.7	309.7
80°	97.6	150.6	214.2	258.8	275.7
82.5°	65.7	118.8	182.4	226.9	243.9
85°	38.2	91.2	154.8	197.2	212.1
87.5°	19.1	70.0	129.4	171.8	186.6
90°	0.0	50.9	108.2	148.5	163.3
92.5°	0.0	48.8	106.0	144.2	159.1
95°	0.0	48.8	103.9	142.1	157.0
97.5°	0.0	46.7	101.8	142.1	154.8
100°	0.0	44.5	101.8	140.0	152.7
102.5°	0.0	42.4	99.7	137.9	150.6
105°	0.0	40.3	97.6	133.6	146.3
107.5°	2.1	40.3	93.3	131.5	144.2
110°	2.1	38.2	89.1	129.4	142.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.1	84.8	125.1	137.9
115°	2.1	36.1	82.7	118.8	133.6
117.5°	2.1	33.9	78.5	114.5	129.4
120°	2.1	33.9	76.4	110.3	123.0
122.5°	2.1	31.8	72.1	106.0	118.8
125°	2.1	29.7	70.0	101.8	114.5
127.5°	2.1	27.6	67.9	97.6	110.3
130°	2.1	25.5	63.6	93.3	103.9
132.5°	2.1	25.5	61.5	87.0	99.7
135°	2.1	23.3	57.3	82.7	93.3
137.5°	2.1	21.2	53.0	78.5	89.1
140°	2.1	19.1	48.8	74.2	82.7
142.5°	2.1	19.1	44.5	67.9	76.4
145°	2.1	17.0	40.3	63.6	70.0
147.5°	2.1	14.8	36.1	57.3	63.6
150°	2.1	14.8	31.8	50.9	57.3
152.5°	2.1	12.7	27.6	46.7	53.0
155°	2.1	10.6	25.5	40.3	46.7
157.5°	2.1	10.6	21.2	33.9	40.3
160°	2.1	8.5	19.1	27.6	33.9
162.5°	2.1	8.5	17.0	23.3	29.7
165°	2.1	6.4	12.7	19.1	23.3
167.5°	2.1	6.4	10.6	14.8	19.1
170°	2.1	4.2	8.5	10.6	14.8
172.5°	2.1	4.2	6.4	6.4	6.4
175°	2.1	2.1	4.2	4.2	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)