

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: P567784

Luminaire Tested: **8SNX-44SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567784
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-44SL-FDL-UNV-L940-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

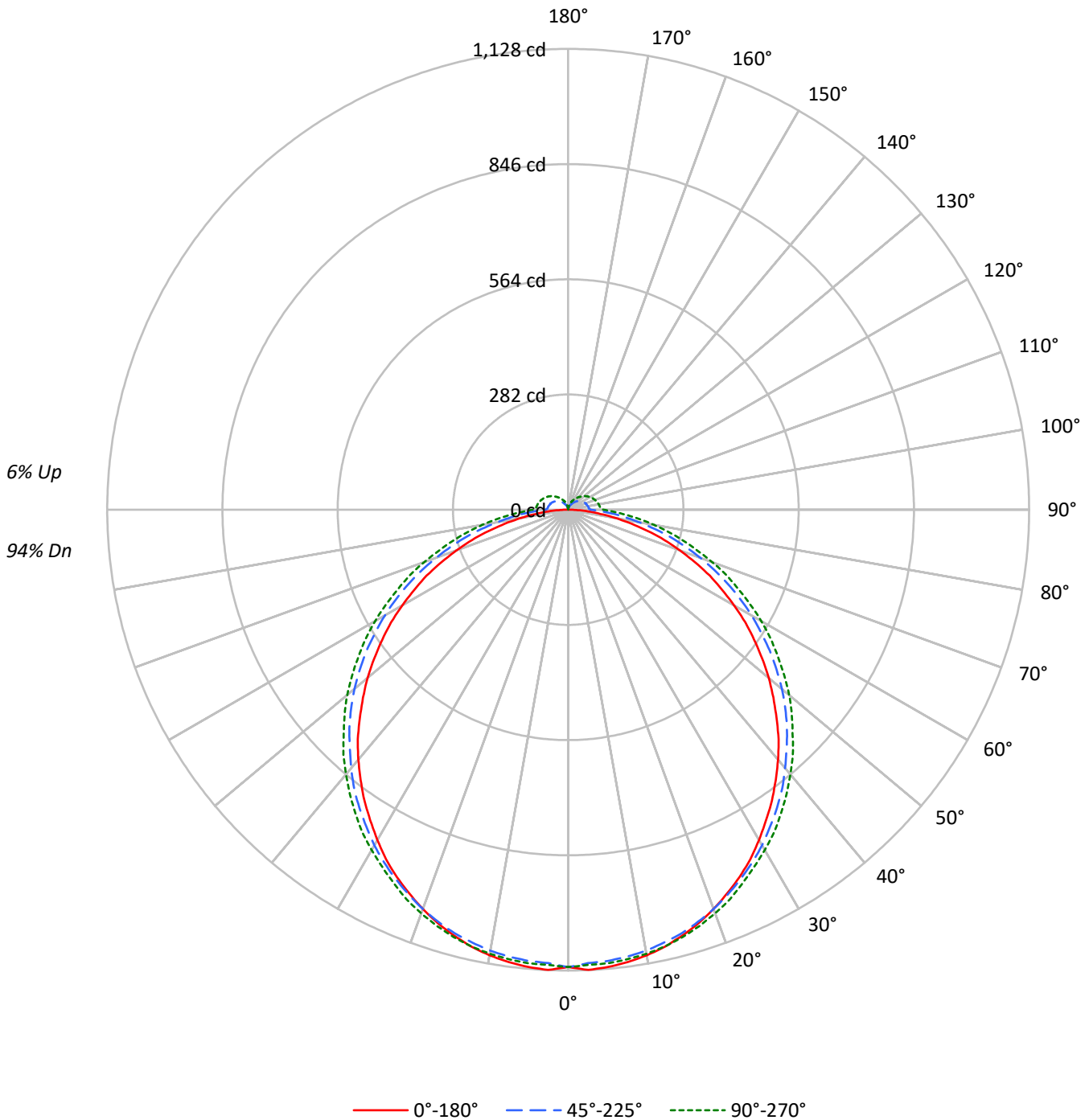
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3557.0 lumens
Efficiency: N/A
Efficacy: 128.9 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): 27.6
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	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°	6024	6024	6024
5°	6068	5926	5934
10°	6046	5864	5859
15°	6004	5792	5775
20°	5945	5704	5677
25°	5877	5607	5560
30°	5784	5509	5452
35°	5691	5393	5340
40°	5587	5265	5214
45°	5456	5138	5067
50°	5331	4994	4932
55°	5175	4815	4745
60°	4999	4610	4561
65°	4815	4365	4308
70°	4496	4057	4045
75°	4112	3695	3731
80°	3546	3213	3383
85°	2862	2799	2972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	3.0
10°-20°	304.6	8.6
20°-30°	461.6	13.0
30°-40°	557.3	15.7
40°-50°	581.9	16.4
50°-60°	534.6	15.0
60°-70°	422.8	11.9
70°-80°	267.6	7.5
80°-90°	115.0	3.2
90°-100°	50.6	1.4
100°-110°	45.3	1.3
110°-120°	38.3	1.1
120°-130°	29.8	0.8
130°-140°	20.7	0.6
140°-150°	12.4	0.3
150°-160°	6.0	0.2
160°-170°	2.1	0.1
170°-180°	0.3	0.0
0°-30°	872.4	24.5
0°-40°	1429.6	40.2
0°-60°	2546.2	71.6
0°-90°	3351.5	94.2
90°-120°	134.2	3.8
90°-150°	197.1	5.5
90°-180°	206.0	5.8
0°-180°	3557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1124	1121	1109	1118	1114	107
15°	1079	1079	1073	1085	1083	304
25°	992	996	998	1011	1009	457
35°	869	879	891	904	908	543
45°	721	738	757	772	777	557
55°	556	578	602	622	626	497
65°	382	404	432	452	459	376
75°	202	226	258	280	291	214
85°	49	76	108	132	140	54
90°	3	27	55	78	86	4
95°	1	23	50	70	78	0
105°	1	21	47	66	73	1
115°	1	18	43	60	66	1
125°	1	16	36	52	57	1
135°	1	13	29	41	46	1
145°	1	9	20	31	34	1
155°	1	6	13	20	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°	1119.3	1119.3	1119.3	1119.3	1119.3
2.5°	1127.5	1123.7	1111.1	1120.0	1115.5
5°	1123.7	1120.6	1108.6	1118.1	1114.3
7.5°	1116.8	1114.3	1103.6	1113.7	1109.9
10°	1107.4	1105.5	1096.0	1106.1	1103.6
12.5°	1095.4	1094.8	1085.3	1096.6	1094.8
15°	1079.0	1079.0	1073.3	1084.7	1082.8
17.5°	1061.4	1062.0	1057.6	1069.6	1068.3
20°	1040.0	1043.1	1040.0	1052.6	1051.3
22.5°	1016.6	1021.1	1019.8	1032.4	1033.0
25°	992.1	996.5	997.8	1011.0	1009.1
27.5°	965.0	971.9	974.4	986.4	985.8
30°	933.5	943.0	948.6	958.7	961.8
32.5°	901.4	912.7	919.6	933.5	937.3
35°	869.3	879.3	890.7	904.5	907.7
37.5°	834.0	845.3	860.4	873.7	877.4
40°	798.7	811.3	825.8	840.3	845.9
42.5°	762.2	775.4	791.1	808.2	813.8
45°	720.6	738.2	757.1	771.6	776.7
47.5°	680.9	700.4	720.6	736.3	742.0
50°	640.6	661.4	682.8	697.3	706.1
52.5°	598.4	621.1	642.5	660.8	666.4
55°	555.6	578.2	602.2	621.7	626.1
57.5°	514.0	536.0	560.0	578.2	587.1
60°	468.6	492.6	518.4	536.7	546.1
62.5°	424.5	447.9	475.6	495.1	502.7
65°	382.3	403.8	432.1	452.3	459.2
67.5°	335.7	360.3	387.4	410.7	419.5
70°	289.8	313.1	343.9	366.0	374.8
72.5°	246.9	269.6	300.5	322.5	330.7
75°	201.6	225.5	258.3	280.3	291.0
77.5°	158.1	184.6	216.1	240.0	252.0
80°	117.8	141.1	175.1	201.6	212.3
82.5°	80.0	105.2	140.5	165.0	177.0
85°	49.1	75.6	108.3	131.6	139.8
87.5°	23.3	48.5	78.7	101.4	111.5
90°	3.1	27.1	55.4	77.5	85.7
92.5°	0.6	23.3	51.0	71.8	79.4
95°	0.6	23.3	50.4	70.5	78.1
97.5°	0.6	22.7	49.8	69.9	76.8
100°	0.6	22.0	49.1	68.7	76.2
102.5°	0.6	22.0	47.9	67.4	74.3
105°	0.6	21.4	47.2	66.1	73.1
107.5°	0.6	20.8	46.0	64.9	71.8
110°	0.6	19.5	45.4	63.0	69.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	18.9	44.1	61.7	68.0
115°	0.6	18.3	42.8	59.8	66.1
117.5°	0.6	17.6	40.9	58.0	64.2
120°	1.3	17.6	39.7	56.1	61.7
122.5°	1.3	17.0	37.8	53.5	59.2
125°	1.3	16.4	35.9	51.7	57.3
127.5°	1.3	15.7	34.0	49.1	54.2
130°	1.3	14.5	32.8	46.6	51.7
132.5°	1.3	13.9	30.9	43.5	48.5
135°	1.3	12.6	29.0	40.9	46.0
137.5°	1.3	12.0	27.1	38.4	42.8
140°	1.3	11.3	24.6	35.9	40.3
142.5°	1.3	10.1	22.7	33.4	37.2
145°	1.3	9.4	20.2	30.9	34.0
147.5°	1.3	8.2	18.3	28.3	31.5
150°	1.3	7.6	16.4	25.8	29.0
152.5°	1.3	6.9	14.5	22.7	25.8
155°	1.3	6.3	13.2	19.5	23.3
157.5°	1.3	5.7	11.3	17.0	20.8
160°	1.9	5.0	10.1	14.5	17.6
162.5°	1.9	4.4	8.2	12.0	15.7
165°	1.9	4.4	6.9	9.4	13.2
167.5°	1.9	3.8	5.7	7.6	10.7
170°	1.9	3.1	5.0	5.7	8.2
172.5°	1.9	2.5	3.8	3.8	4.4
175°	1.9	2.5	3.1	3.1	1.9
177.5°	1.9	1.9	1.9	1.9	1.3
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)