

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: P566428

Luminaire Tested: **4SNX-45SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566428
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: 4SNX-45SL-FDL-UNV-L940-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

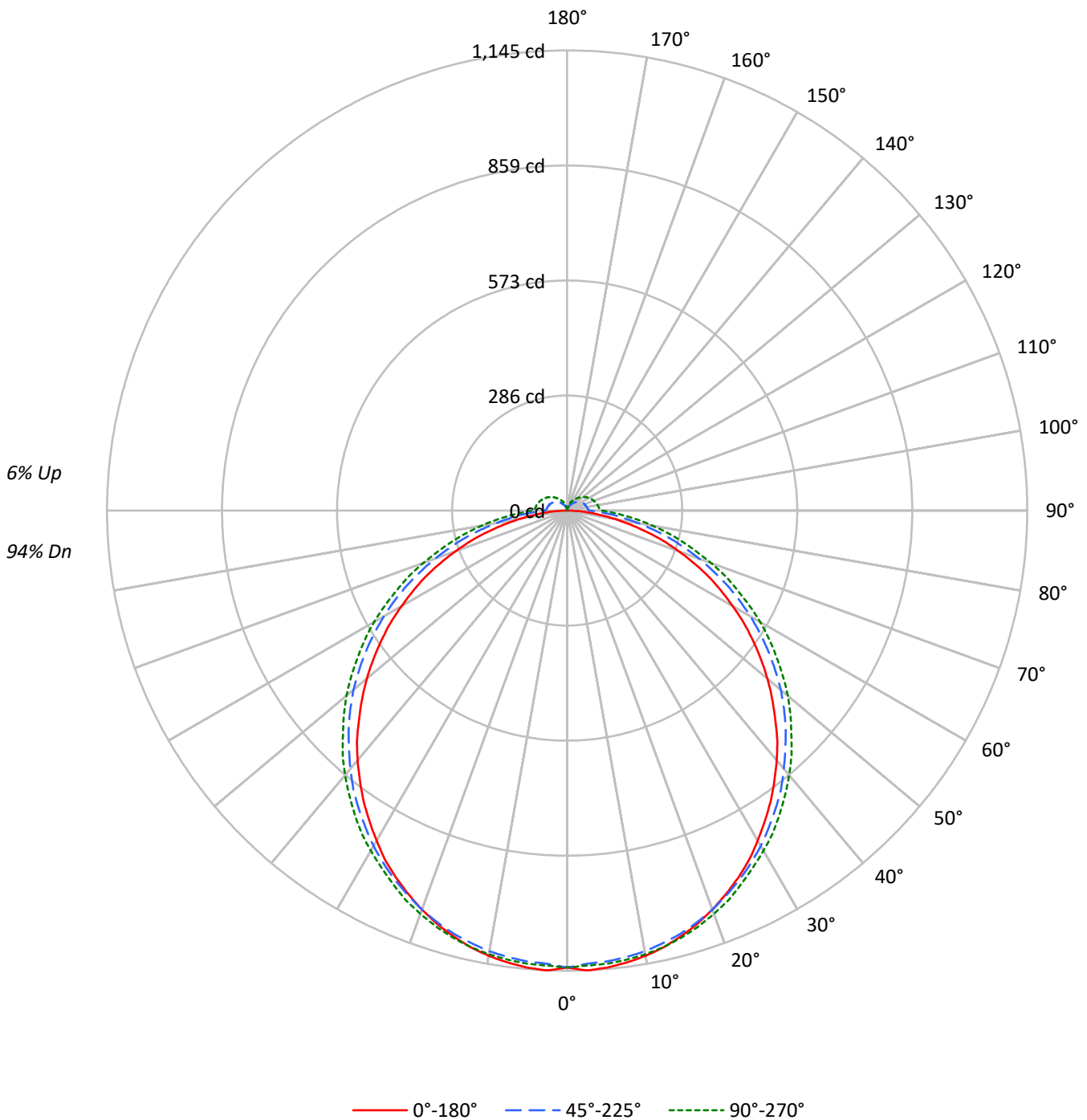
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3613.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 29.8
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°	12237	12237	12237
5°	12322	12036	12053
10°	12271	11905	11902
15°	12179	11754	11732
20°	12054	11572	11532
25°	11910	11373	11296
30°	11715	11169	11077
35°	11518	10930	10849
40°	11301	10666	10593
45°	11026	10405	10293
50°	10763	10107	10020
55°	10435	9738	9641
60°	10066	9316	9266
65°	9676	8812	8751
70°	9004	8179	8218
75°	8195	7434	7579
80°	7000	6448	6870
85°	5507	5588	6037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.0
10°-20°	309.4	8.6
20°-30°	468.9	13.0
30°-40°	566.0	15.7
40°-50°	591.1	16.4
50°-60°	543.0	15.0
60°-70°	429.4	11.9
70°-80°	271.8	7.5
80°-90°	116.8	3.2
90°-100°	51.4	1.4
100°-110°	46.0	1.3
110°-120°	38.9	1.1
120°-130°	30.3	0.8
130°-140°	21.0	0.6
140°-150°	12.6	0.3
150°-160°	6.1	0.2
160°-170°	2.1	0.1
170°-180°	0.3	0.0
0°-30°	886.1	24.5
0°-40°	1452.2	40.2
0°-60°	2586.3	71.6
0°-90°	3404.3	94.2
90°-120°	136.3	3.8
90°-150°	200.2	5.5
90°-180°	209.0	5.8
0°-180°	3613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1137	1137	1137	1137	1137	
5°	1141	1138	1126	1136	1132	108
15°	1096	1096	1090	1102	1100	309
25°	1008	1012	1014	1027	1025	464
35°	883	893	905	919	922	552
45°	732	750	769	784	789	565
55°	564	587	612	632	636	505
65°	388	410	439	459	466	382
75°	205	229	262	285	296	217
85°	50	77	110	134	142	55
90°	3	28	56	79	87	4
95°	1	24	51	72	79	0
105°	1	22	48	67	74	1
115°	1	19	44	61	67	1
125°	1	17	36	52	58	1
135°	1	13	29	42	47	1
145°	1	10	20	31	34	1
155°	1	6	13	20	24	1
165°	2	4	7	10	13	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°	1136.9	1136.9	1136.9	1136.9	1136.9
2.5°	1145.3	1141.4	1128.6	1137.6	1133.1
5°	1141.4	1138.2	1126.1	1135.7	1131.8
7.5°	1134.4	1131.8	1120.9	1131.2	1127.3
10°	1124.8	1122.9	1113.3	1123.5	1120.9
12.5°	1112.6	1112.0	1102.4	1113.9	1112.0
15°	1096.0	1096.0	1090.2	1101.8	1099.8
17.5°	1078.1	1078.7	1074.2	1086.4	1085.1
20°	1056.3	1059.5	1056.3	1069.1	1067.8
22.5°	1032.7	1037.1	1035.9	1048.6	1049.3
25°	1007.7	1012.2	1013.5	1026.9	1025.0
27.5°	980.2	987.2	989.8	1001.9	1001.3
30°	948.2	957.8	963.6	973.8	977.0
32.5°	915.6	927.1	934.1	948.2	952.0
35°	882.9	893.2	904.7	918.8	922.0
37.5°	847.1	858.6	874.0	887.4	891.3
40°	811.3	824.1	838.8	853.5	859.3
42.5°	774.2	787.6	803.6	820.9	826.6
45°	731.9	749.9	769.1	783.8	788.9
47.5°	691.6	711.5	731.9	747.9	753.7
50°	650.7	671.8	693.6	708.3	717.2
52.5°	607.8	630.9	652.6	671.2	676.9
55°	564.3	587.3	611.7	631.5	636.0
57.5°	522.1	544.5	568.8	587.3	596.3
60°	476.0	500.3	526.6	545.1	554.7
62.5°	431.2	454.9	483.1	502.9	510.6
65°	388.4	410.1	438.9	459.4	466.4
67.5°	341.0	366.0	393.5	417.2	426.1
70°	294.3	318.0	349.3	371.7	380.7
72.5°	250.8	273.8	305.2	327.6	335.9
75°	204.7	229.1	262.3	284.7	295.6
77.5°	160.6	187.5	219.5	243.8	255.9
80°	119.6	143.3	177.9	204.7	215.6
82.5°	81.3	106.8	142.7	167.6	179.8
85°	49.9	76.8	110.0	133.7	142.0
87.5°	23.7	49.3	80.0	103.0	113.2
90°	3.2	27.5	56.3	78.7	87.0
92.5°	0.6	23.7	51.8	72.9	80.6
95°	0.6	23.7	51.2	71.7	79.3
97.5°	0.6	23.0	50.5	71.0	78.1
100°	0.6	22.4	49.9	69.7	77.4
102.5°	0.6	22.4	48.6	68.5	75.5
105°	0.6	21.8	48.0	67.2	74.2
107.5°	0.6	21.1	46.7	65.9	72.9
110°	0.6	19.8	46.1	64.0	71.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	19.2	44.8	62.7	69.1
115°	0.6	18.6	43.5	60.8	67.2
117.5°	0.6	17.9	41.6	58.9	65.3
120°	1.3	17.9	40.3	56.9	62.7
122.5°	1.3	17.3	38.4	54.4	60.1
125°	1.3	16.6	36.5	52.5	58.2
127.5°	1.3	16.0	34.5	49.9	55.0
130°	1.3	14.7	33.3	47.3	52.5
132.5°	1.3	14.1	31.4	44.1	49.3
135°	1.3	12.8	29.4	41.6	46.7
137.5°	1.3	12.2	27.5	39.0	43.5
140°	1.3	11.5	25.0	36.5	40.9
142.5°	1.3	10.2	23.0	33.9	37.7
145°	1.3	9.6	20.5	31.4	34.5
147.5°	1.3	8.3	18.6	28.8	32.0
150°	1.3	7.7	16.6	26.2	29.4
152.5°	1.3	7.0	14.7	23.0	26.2
155°	1.3	6.4	13.4	19.8	23.7
157.5°	1.3	5.8	11.5	17.3	21.1
160°	1.9	5.1	10.2	14.7	17.9
162.5°	1.9	4.5	8.3	12.2	16.0
165°	1.9	4.5	7.0	9.6	13.4
167.5°	1.9	3.8	5.8	7.7	10.9
170°	1.9	3.2	5.1	5.8	8.3
172.5°	1.9	2.6	3.8	3.8	4.5
175°	1.9	2.6	3.2	3.2	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)