

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: P566460

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566460  
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: 4SNX-45SL-SLW-UNV-L940-CD  
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

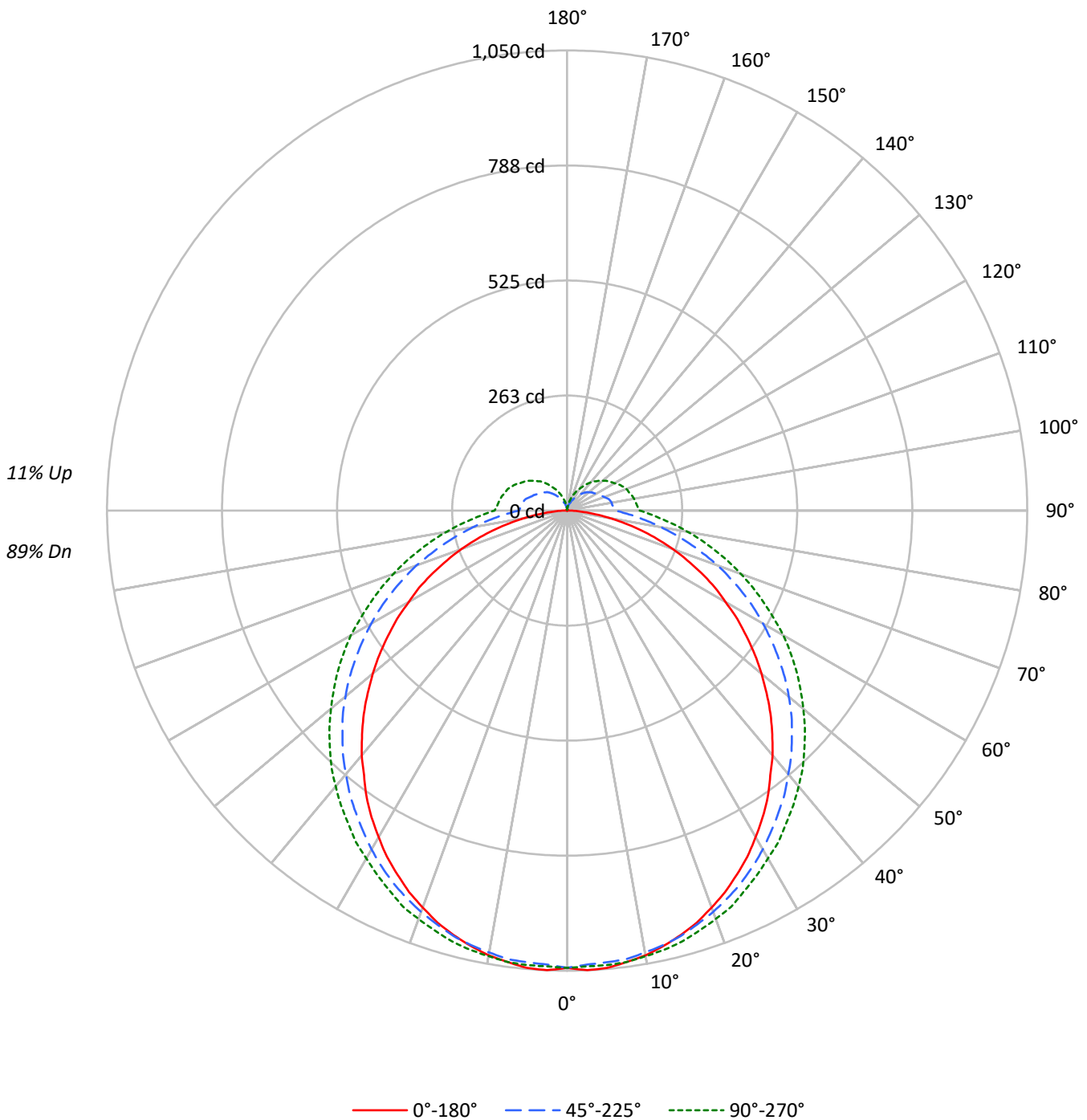
Lumens per Lamp: N/A  
Luminaire Lumens: 3714.1 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 29.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P566460

CATALOG NUMBER: 4SNX-45SL-SLW-UNV-L940-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566460

CATALOG NUMBER: 4SNX-45SL-SLW-UNV-L940-CD

**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°	11230	11230	11230
5°	11299	10941	10932
10°	11221	10720	10661
15°	11109	10494	10412
20°	10956	10233	10134
25°	10779	9979	9844
30°	10567	9699	9558
35°	10336	9409	9289
40°	10071	9122	9030
45°	9784	8832	8752
50°	9455	8525	8440
55°	9095	8156	8133
60°	8672	7762	7791
65°	8235	7318	7360
70°	7622	6829	6939
75°	6809	6207	6473
80°	5485	5578	6012
85°	3863	5035	5540



TEST NUMBER: P566460

CATALOG NUMBER: 4SNX-45SL-SLW-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.1	2.7
10°-20°	284.8	7.7
20°-30°	433.1	11.7
30°-40°	525.7	14.2
40°-50°	555.5	15.0
50°-60°	519.8	14.0
60°-70°	426.5	11.5
70°-80°	293.4	7.9
80°-90°	160.7	4.3
90°-100°	103.5	2.8
100°-110°	92.8	2.5
110°-120°	76.8	2.1
120°-130°	59.2	1.6
130°-140°	41.6	1.1
140°-150°	25.1	0.7
150°-160°	12.0	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	817.0	22.0
0°-40°	1342.7	36.2
0°-60°	2418.1	65.1
0°-90°	3298.7	88.8
90°-120°	273.1	7.4
90°-150°	399.0	10.7
90°-180°	415.0	11.2
0°-180°	3714.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1043	1043	1043	1043	1043	
5°	1048	1045	1035	1043	1041	99
15°	1002	1007	1005	1018	1018	283
25°	916	927	938	957	957	422
35°	798	817	841	865	871	499
45°	656	686	725	757	766	506
55°	499	540	589	626	639	447
65°	338	383	441	482	495	334
75°	176	224	288	333	348	186
85°	39	92	157	200	215	45
90°	0	52	110	151	166	3
95°	0	50	105	144	159	0
105°	0	41	99	136	148	1
115°	2	37	84	120	136	2
125°	2	30	71	103	116	2
135°	2	24	58	84	95	2
145°	2	17	41	64	71	1
155°	2	11	26	41	47	1
165°	2	6	13	19	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566460

CATALOG NUMBER: 4SNX-45SL-SLW-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1043.3	1043.3	1043.3	1043.3	1043.3
2.5°	1049.7	1047.6	1036.8	1045.4	1041.1
5°	1047.6	1045.4	1034.7	1043.3	1041.1
7.5°	1039.0	1039.0	1032.5	1041.1	1039.0
10°	1030.4	1030.4	1023.9	1034.7	1032.5
12.5°	1017.5	1019.6	1015.3	1028.2	1026.1
15°	1002.4	1006.7	1004.6	1017.5	1017.5
17.5°	985.2	989.5	989.5	1004.6	1004.6
20°	963.7	970.1	974.4	991.6	991.6
22.5°	942.2	950.8	957.2	972.3	978.7
25°	916.4	927.1	937.9	957.2	957.2
27.5°	890.5	903.5	916.4	935.7	937.9
30°	860.4	875.5	892.7	912.1	916.4
32.5°	830.3	849.7	866.9	890.5	897.0
35°	798.0	817.4	841.1	864.7	871.2
37.5°	761.5	785.1	815.3	841.1	847.5
40°	729.2	755.0	785.1	815.3	821.7
42.5°	692.6	720.6	757.2	785.1	795.9
45°	656.1	686.2	724.9	757.2	765.8
47.5°	617.4	651.8	694.8	724.9	735.7
50°	578.6	615.2	660.4	694.8	703.4
52.5°	539.9	578.6	626.0	660.4	671.1
55°	499.0	539.9	589.4	626.0	638.9
57.5°	460.3	501.2	552.8	591.5	604.5
60°	417.3	464.6	516.3	555.0	570.0
62.5°	380.7	423.8	479.7	518.4	531.3
65°	337.7	382.9	441.0	481.8	494.7
67.5°	296.8	344.2	402.3	445.3	458.2
70°	256.0	303.3	365.7	406.6	421.6
72.5°	215.1	264.6	324.8	370.0	385.0
75°	176.4	223.7	288.2	333.4	348.5
77.5°	135.5	187.1	251.7	296.8	314.1
80°	98.9	152.7	217.3	262.4	279.6
82.5°	66.7	120.5	185.0	230.2	247.4
85°	38.7	92.5	157.0	200.0	215.1
87.5°	19.4	71.0	131.2	174.2	189.3
90°	0.0	51.6	109.7	150.6	165.6
92.5°	0.0	49.5	107.6	146.3	161.3
95°	0.0	49.5	105.4	144.1	159.2
97.5°	0.0	47.3	103.3	144.1	157.0
100°	0.0	45.2	103.3	142.0	154.9
102.5°	0.0	43.0	101.1	139.8	152.7
105°	0.0	40.9	98.9	135.5	148.4
107.5°	2.2	40.9	94.6	133.4	146.3
110°	2.2	38.7	90.3	131.2	144.1



TEST NUMBER: P566460

CATALOG NUMBER: 4SNX-45SL-SLW-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	36.6	86.0	126.9	139.8
115°	2.2	36.6	83.9	120.5	135.5
117.5°	2.2	34.4	79.6	116.2	131.2
120°	2.2	34.4	77.4	111.9	124.8
122.5°	2.2	32.3	73.1	107.6	120.5
125°	2.2	30.1	71.0	103.3	116.2
127.5°	2.2	28.0	68.8	98.9	111.9
130°	2.2	25.8	64.5	94.6	105.4
132.5°	2.2	25.8	62.4	88.2	101.1
135°	2.2	23.7	58.1	83.9	94.6
137.5°	2.2	21.5	53.8	79.6	90.3
140°	2.2	19.4	49.5	75.3	83.9
142.5°	2.2	19.4	45.2	68.8	77.4
145°	2.2	17.2	40.9	64.5	71.0
147.5°	2.2	15.1	36.6	58.1	64.5
150°	2.2	15.1	32.3	51.6	58.1
152.5°	2.2	12.9	28.0	47.3	53.8
155°	2.2	10.8	25.8	40.9	47.3
157.5°	2.2	10.8	21.5	34.4	40.9
160°	2.2	8.6	19.4	28.0	34.4
162.5°	2.2	8.6	17.2	23.7	30.1
165°	2.2	6.5	12.9	19.4	23.7
167.5°	2.2	6.5	10.8	15.1	19.4
170°	2.2	4.3	8.6	10.8	15.1
172.5°	2.2	4.3	6.5	6.5	6.5
175°	2.2	2.2	4.3	4.3	2.2
177.5°	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)