

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: P567802

Luminaire Tested: **8SNX-44SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567802
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-44SL-LW-UNV-L830-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

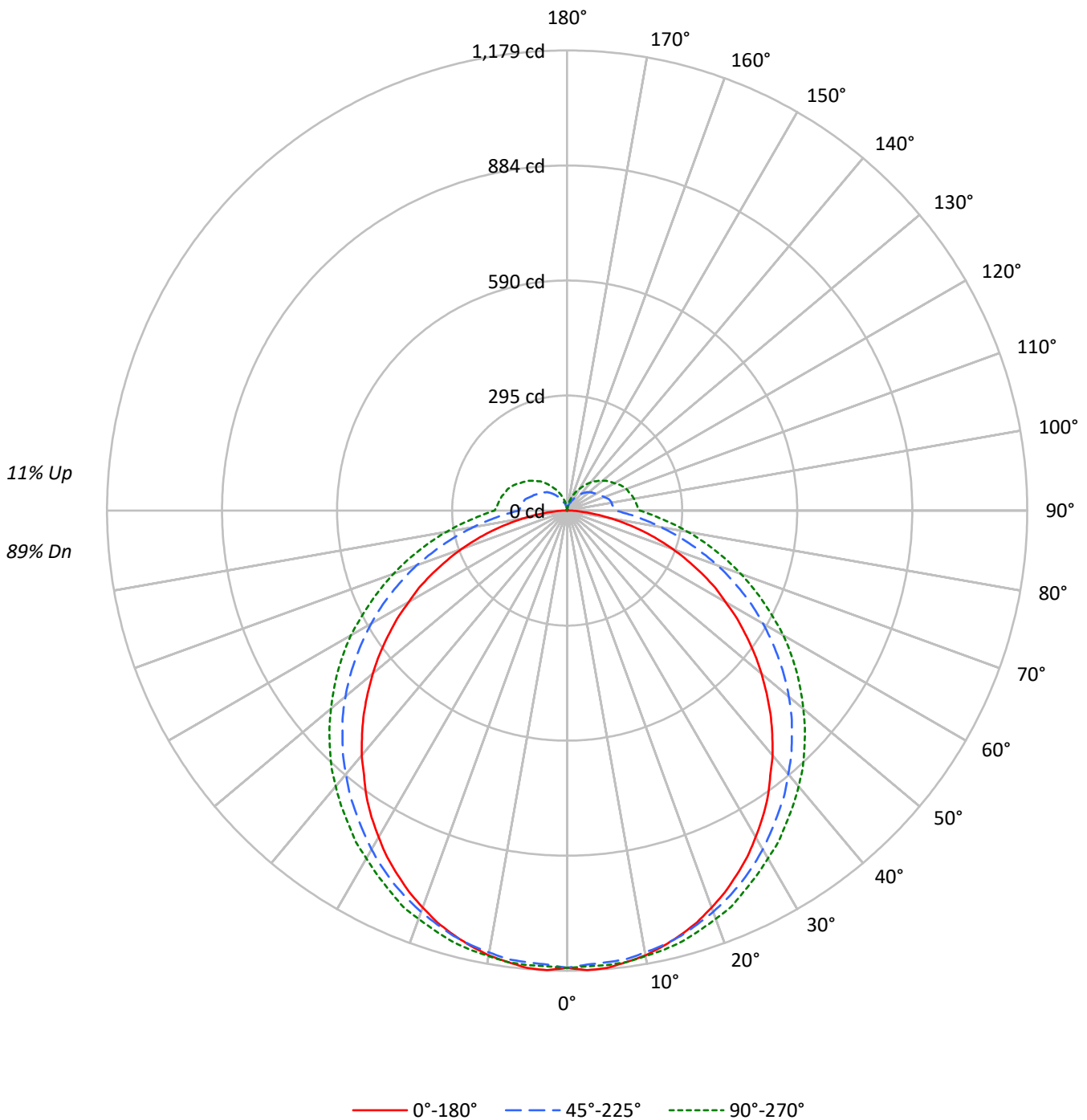
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4170.0 lumens
Efficiency: N/A
Efficacy: 151.1 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): 27.6
Input Voltage (V): NR
Input Current (Ain): 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: P567802
CATALOG NUMBER: 8SNX-44SL-LW-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567802

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L830-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	77	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°	6304	6304	6304
5°	6343	6020	5967
10°	6299	5787	5669
15°	6236	5560	5401
20°	6150	5324	5132
25°	6051	5097	4869
30°	5933	4864	4617
35°	5802	4629	4381
40°	5653	4399	4157
45°	5492	4168	3926
50°	5308	3931	3685
55°	5105	3665	3448
60°	4867	3387	3197
65°	4623	3087	2912
70°	4278	2766	2631
75°	3820	2391	2333
80°	3080	2012	2036
85°	2170	1660	1730



TEST NUMBER: P567802

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	2.7
10°-20°	319.8	7.7
20°-30°	486.3	11.7
30°-40°	590.3	14.2
40°-50°	623.7	15.0
50°-60°	583.7	14.0
60°-70°	478.9	11.5
70°-80°	329.4	7.9
80°-90°	180.4	4.3
90°-100°	116.1	2.8
100°-110°	104.2	2.5
110°-120°	86.3	2.1
120°-130°	66.4	1.6
130°-140°	46.7	1.1
140°-150°	28.1	0.7
150°-160°	13.5	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	917.3	22.0
0°-40°	1507.6	36.2
0°-60°	2715.0	65.1
0°-90°	3703.7	88.8
90°-120°	306.7	7.4
90°-150°	447.9	10.7
90°-180°	466.0	11.2
0°-180°	4170.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1176	1174	1162	1171	1169	112
15°	1126	1130	1128	1142	1142	317
25°	1029	1041	1053	1075	1075	474
35°	896	918	944	971	978	560
45°	737	770	814	850	860	568
55°	560	606	662	703	717	501
65°	379	430	495	541	556	376
75°	198	251	324	374	391	209
85°	44	104	176	225	242	50
90°	0	58	123	169	186	3
95°	0	56	118	162	179	0
105°	0	46	111	152	167	2
115°	2	41	94	135	152	2
125°	2	34	80	116	130	2
135°	2	27	65	94	106	2
145°	2	19	46	72	80	2
155°	2	12	29	46	53	1
165°	2	7	14	22	27	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567802

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171.4	1171.4	1171.4	1171.4	1171.4
2.5°	1178.6	1176.2	1164.1	1173.8	1168.9
5°	1176.2	1173.8	1161.7	1171.4	1168.9
7.5°	1166.5	1166.5	1159.3	1168.9	1166.5
10°	1156.9	1156.9	1149.6	1161.7	1159.3
12.5°	1142.4	1144.8	1140.0	1154.5	1152.0
15°	1125.5	1130.3	1127.9	1142.4	1142.4
17.5°	1106.2	1111.0	1111.0	1127.9	1127.9
20°	1082.0	1089.2	1094.1	1113.4	1113.4
22.5°	1057.8	1067.5	1074.8	1091.7	1098.9
25°	1028.9	1040.9	1053.0	1074.8	1074.8
27.5°	999.9	1014.4	1028.9	1050.6	1053.0
30°	966.1	983.0	1002.3	1024.0	1028.9
32.5°	932.3	954.0	973.3	999.9	1007.1
35°	896.0	917.8	944.3	970.9	978.1
37.5°	855.0	881.5	915.4	944.3	951.6
40°	818.7	847.7	881.5	915.4	922.6
42.5°	777.7	809.1	850.1	881.5	893.6
45°	736.6	770.4	813.9	850.1	859.8
47.5°	693.2	731.8	780.1	813.9	826.0
50°	649.7	690.7	741.5	780.1	789.8
52.5°	606.2	649.7	702.8	741.5	753.5
55°	560.3	606.2	661.8	702.8	717.3
57.5°	516.8	562.7	620.7	664.2	678.7
60°	468.5	521.7	579.6	623.1	640.0
62.5°	427.5	475.8	538.6	582.1	596.5
65°	379.2	429.9	495.1	541.0	555.5
67.5°	333.3	386.4	451.6	499.9	514.4
70°	287.4	340.5	410.6	456.5	473.4
72.5°	241.5	297.1	364.7	415.4	432.3
75°	198.0	251.2	323.6	374.4	391.3
77.5°	152.2	210.1	282.6	333.3	352.6
80°	111.1	171.5	243.9	294.7	314.0
82.5°	74.9	135.3	207.7	258.4	277.7
85°	43.5	103.9	176.3	224.6	241.5
87.5°	21.7	79.7	147.3	195.6	212.5
90°	0.0	58.0	123.2	169.1	186.0
92.5°	0.0	55.5	120.8	164.2	181.1
95°	0.0	55.5	118.3	161.8	178.7
97.5°	0.0	53.1	115.9	161.8	176.3
100°	0.0	50.7	115.9	159.4	173.9
102.5°	0.0	48.3	113.5	157.0	171.5
105°	0.0	45.9	111.1	152.2	166.6
107.5°	2.4	45.9	106.3	149.7	164.2
110°	2.4	43.5	101.4	147.3	161.8



TEST NUMBER: P567802

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	41.1	96.6	142.5	157.0
115°	2.4	41.1	94.2	135.3	152.2
117.5°	2.4	38.6	89.4	130.4	147.3
120°	2.4	38.6	86.9	125.6	140.1
122.5°	2.4	36.2	82.1	120.8	135.3
125°	2.4	33.8	79.7	115.9	130.4
127.5°	2.4	31.4	77.3	111.1	125.6
130°	2.4	29.0	72.5	106.3	118.3
132.5°	2.4	29.0	70.0	99.0	113.5
135°	2.4	26.6	65.2	94.2	106.3
137.5°	2.4	24.2	60.4	89.4	101.4
140°	2.4	21.7	55.5	84.5	94.2
142.5°	2.4	21.7	50.7	77.3	86.9
145°	2.4	19.3	45.9	72.5	79.7
147.5°	2.4	16.9	41.1	65.2	72.5
150°	2.4	16.9	36.2	58.0	65.2
152.5°	2.4	14.5	31.4	53.1	60.4
155°	2.4	12.1	29.0	45.9	53.1
157.5°	2.4	12.1	24.2	38.6	45.9
160°	2.4	9.7	21.7	31.4	38.6
162.5°	2.4	9.7	19.3	26.6	33.8
165°	2.4	7.2	14.5	21.7	26.6
167.5°	2.4	7.2	12.1	16.9	21.7
170°	2.4	4.8	9.7	12.1	16.9
172.5°	2.4	4.8	7.2	7.2	7.2
175°	2.4	2.4	4.8	4.8	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)