

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: P566279

Luminaire Tested: **4SNX-33SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566279
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-33SL-FDL-UNV-L835-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

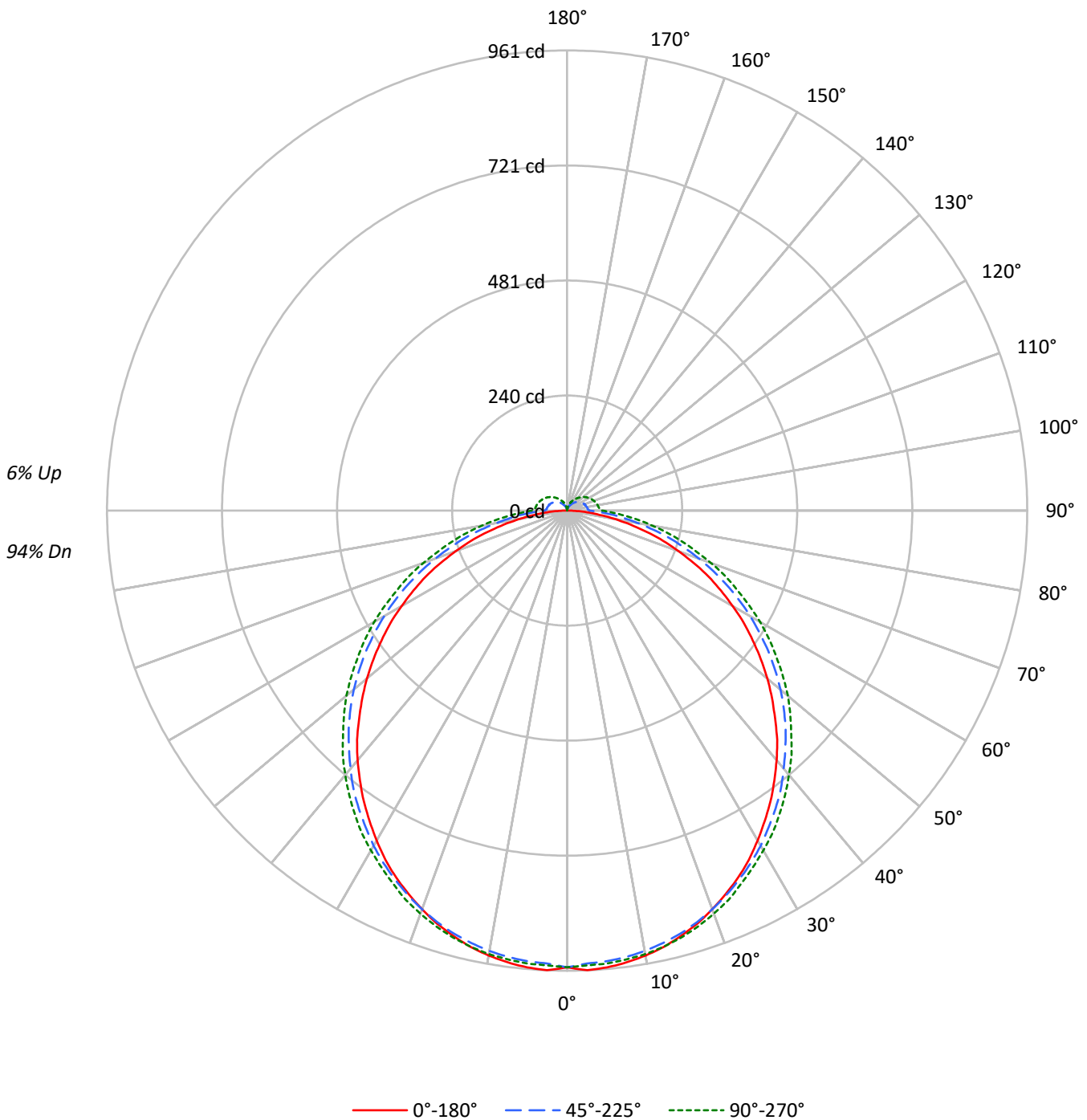
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3031.0 lumens
Efficiency: N/A
Efficacy: 143.6 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): 21.1
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

TEST NUMBER: P566279
CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566279

CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L835-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	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°	10267	10267	10267
5°	10337	10097	10112
10°	10295	9987	9985
15°	10217	9861	9843
20°	10113	9709	9674
25°	9992	9540	9476
30°	9828	9369	9293
35°	9663	9170	9102
40°	9480	8948	8887
45°	9250	8729	8635
50°	9029	8478	8406
55°	8754	8168	8087
60°	8444	7814	7775
65°	8117	7393	7342
70°	7554	6863	6895
75°	6878	6238	6359
80°	5876	5408	5765
85°	4624	4689	5068



TEST NUMBER: P566279

CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.0
10°-20°	259.6	8.6
20°-30°	393.4	13.0
30°-40°	474.9	15.7
40°-50°	495.9	16.4
50°-60°	455.5	15.0
60°-70°	360.2	11.9
70°-80°	228.0	7.5
80°-90°	98.0	3.2
90°-100°	43.1	1.4
100°-110°	38.6	1.3
110°-120°	32.6	1.1
120°-130°	25.4	0.8
130°-140°	17.6	0.6
140°-150°	10.6	0.3
150°-160°	5.2	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	743.4	24.5
0°-40°	1218.2	40.2
0°-60°	2169.6	71.6
0°-90°	2855.9	94.2
90°-120°	114.3	3.8
90°-150°	167.9	5.5
90°-180°	175.0	5.8
0°-180°	3031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	958	955	945	953	950	91
15°	919	919	915	924	923	259
25°	845	849	850	862	860	389
35°	741	749	759	771	774	463
45°	614	629	645	658	662	474
55°	473	493	513	530	534	424
65°	326	344	368	385	391	321
75°	172	192	220	239	248	182
85°	42	64	92	112	119	46
90°	3	23	47	66	73	4
95°	0	20	43	60	67	0
105°	0	18	40	56	62	1
115°	0	16	36	51	56	1
125°	1	14	31	44	49	1
135°	1	11	25	35	39	1
145°	1	8	17	26	29	1
155°	1	5	11	17	20	1
165°	2	4	6	8	11	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566279

CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.8	953.8	953.8	953.8	953.8
2.5°	960.8	957.6	946.8	954.3	950.6
5°	957.6	954.9	944.7	952.7	949.5
7.5°	951.7	949.5	940.4	949.0	945.7
10°	943.6	942.0	933.9	942.5	940.4
12.5°	933.4	932.9	924.8	934.5	932.9
15°	919.4	919.4	914.6	924.3	922.7
17.5°	904.4	905.0	901.2	911.4	910.3
20°	886.2	888.9	886.2	896.9	895.8
22.5°	866.3	870.1	869.0	879.7	880.3
25°	845.4	849.1	850.2	861.5	859.9
27.5°	822.3	828.2	830.3	840.5	840.0
30°	795.5	803.5	808.3	816.9	819.6
32.5°	768.1	777.7	783.6	795.5	798.7
35°	740.7	749.3	759.0	770.8	773.5
37.5°	710.7	720.3	733.2	744.5	747.7
40°	680.6	691.3	703.7	716.0	720.9
42.5°	649.5	660.7	674.2	688.6	693.5
45°	614.0	629.1	645.2	657.5	661.8
47.5°	580.2	596.9	614.0	627.5	632.3
50°	545.9	563.6	581.8	594.2	601.7
52.5°	509.9	529.2	547.5	563.0	567.9
55°	473.4	492.7	513.1	529.8	533.5
57.5°	438.0	456.8	477.2	492.7	500.2
60°	399.3	419.7	441.7	457.3	465.4
62.5°	361.8	381.6	405.2	421.9	428.3
65°	325.8	344.1	368.2	385.4	391.3
67.5°	286.1	307.0	330.1	350.0	357.5
70°	246.9	266.8	293.1	311.8	319.4
72.5°	210.4	229.7	256.0	274.8	281.8
75°	171.8	192.2	220.1	238.9	248.0
77.5°	134.7	157.3	184.1	204.5	214.7
80°	100.4	120.2	149.2	171.8	180.9
82.5°	68.2	89.6	119.7	140.6	150.8
85°	41.9	64.4	92.3	112.2	119.2
87.5°	19.9	41.3	67.1	86.4	95.0
90°	2.7	23.1	47.2	66.0	73.0
92.5°	0.5	19.9	43.5	61.2	67.6
95°	0.5	19.9	42.9	60.1	66.6
97.5°	0.5	19.3	42.4	59.6	65.5
100°	0.5	18.8	41.9	58.5	64.9
102.5°	0.5	18.8	40.8	57.4	63.3
105°	0.5	18.2	40.3	56.4	62.3
107.5°	0.5	17.7	39.2	55.3	61.2
110°	0.5	16.6	38.6	53.7	59.6



TEST NUMBER: P566279

CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	16.1	37.6	52.6	58.0
115°	0.5	15.6	36.5	51.0	56.4
117.5°	0.5	15.0	34.9	49.4	54.7
120°	1.1	15.0	33.8	47.8	52.6
122.5°	1.1	14.5	32.2	45.6	50.5
125°	1.1	14.0	30.6	44.0	48.8
127.5°	1.1	13.4	29.0	41.9	46.2
130°	1.1	12.3	27.9	39.7	44.0
132.5°	1.1	11.8	26.3	37.0	41.3
135°	1.1	10.7	24.7	34.9	39.2
137.5°	1.1	10.2	23.1	32.7	36.5
140°	1.1	9.7	20.9	30.6	34.4
142.5°	1.1	8.6	19.3	28.4	31.7
145°	1.1	8.1	17.2	26.3	29.0
147.5°	1.1	7.0	15.6	24.2	26.8
150°	1.1	6.4	14.0	22.0	24.7
152.5°	1.1	5.9	12.3	19.3	22.0
155°	1.1	5.4	11.3	16.6	19.9
157.5°	1.1	4.8	9.7	14.5	17.7
160°	1.6	4.3	8.6	12.3	15.0
162.5°	1.6	3.8	7.0	10.2	13.4
165°	1.6	3.8	5.9	8.1	11.3
167.5°	1.6	3.2	4.8	6.4	9.1
170°	1.6	2.7	4.3	4.8	7.0
172.5°	1.6	2.1	3.2	3.2	3.8
175°	1.6	2.1	2.7	2.7	1.6
177.5°	1.6	1.6	1.6	1.6	1.1
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)