

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: P#

Luminaire Tested: **4SNLED-LD5-22SL-SLC-UNV-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-22SL-SLC-UNV-L935-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

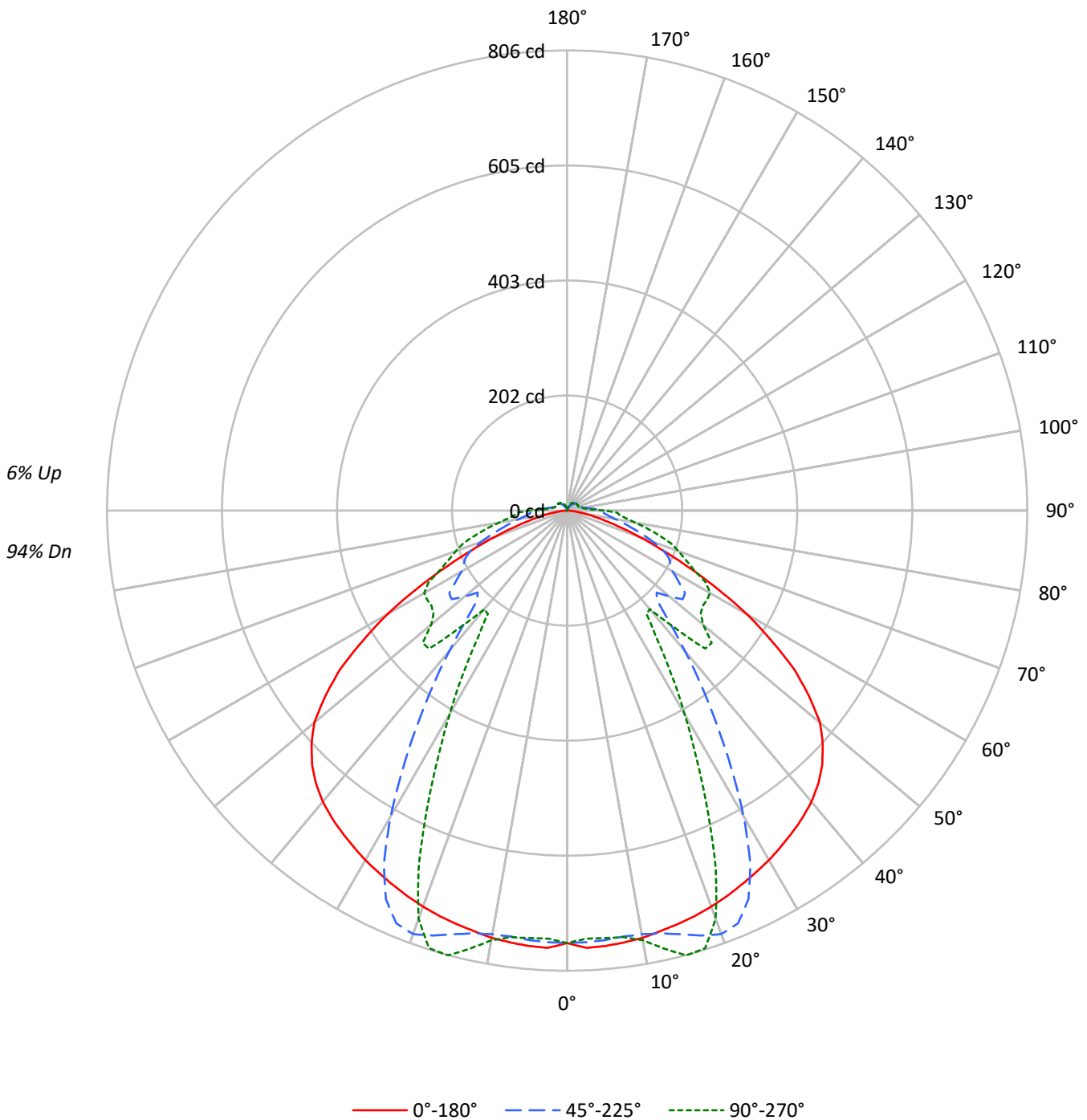
Lumens per Lamp: N/A  
Luminaire Lumens: 1945.0 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 16  
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



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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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6119	6119	6119
5°	6193	5976	5902
10°	6201	5885	5881
15°	6218	5967	6130
20°	6276	6145	5754
25°	6354	5905	4431
30°	6479	4946	3151
35°	6640	3746	2134
40°	6843	2723	1807
45°	6998	1976	2841
50°	7008	2187	2696
55°	6551	2518	2663
60°	5581	2303	2830
65°	4199	2323	2588
70°	2946	2115	2409
75°	1929	1771	2161
80°	1233	1518	1800
85°	663	1443	1616



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.0	3.7
10°-20°	217.5	11.2
20°-30°	316.0	16.2
30°-40°	301.9	15.5
40°-50°	276.2	14.2
50°-60°	255.0	13.1
60°-70°	202.6	10.4
70°-80°	125.0	6.4
80°-90°	68.1	3.5
90°-100°	34.4	1.8
100°-110°	21.6	1.1
110°-120°	18.3	0.9
120°-130°	14.9	0.8
130°-140°	10.7	0.6
140°-150°	6.6	0.3
150°-160°	3.1	0.2
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	605.6	31.1
0°-40°	907.5	46.7
0°-60°	1438.7	74.0
0°-90°	1834.4	94.3
90°-120°	74.4	3.8
90°-150°	106.7	5.5
90°-180°	111.0	5.7
0°-180°	1945.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	766	754	755	751	752	73
15°	750	739	768	797	806	212
25°	723	737	751	636	584	334
35°	688	677	456	314	273	431
45°	632	440	223	284	342	485
55°	486	226	252	271	290	428
65°	234	146	196	239	244	237
75°	69	78	118	156	166	78
85°	10	33	67	91	92	12
90°	0	25	60	71	65	0
95°	0	23	41	36	34	0
105°	0	21	26	23	23	0
115°	0	17	24	22	21	0
125°	0	14	22	21	20	0
135°	0	10	17	19	18	0
145°	0	6	12	15	16	0
155°	1	4	7	10	12	0
165°	1	2	4	5	6	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	757.2	757.2	757.2	757.2	757.2
2.5°	766.6	755.5	756.8	754.5	750.5
5°	765.5	753.8	755.2	751.1	751.5
7.5°	762.9	750.8	752.5	751.8	753.5
10°	759.9	747.1	753.5	759.2	764.2
12.5°	754.5	743.1	758.5	775.3	785.7
15°	749.5	739.4	768.2	796.7	806.4
17.5°	744.4	738.1	780.3	805.1	803.8
20°	738.1	737.4	789.3	781.0	760.5
22.5°	731.0	737.7	782.3	721.0	680.7
25°	723.0	737.1	751.1	635.8	583.9
27.5°	714.9	734.0	694.5	542.7	491.4
30°	706.9	726.0	618.1	457.5	410.9
32.5°	697.5	708.6	534.9	382.1	339.2
35°	687.8	676.7	456.2	314.1	273.2
37.5°	677.7	630.8	385.5	254.4	228.3
40°	665.7	573.2	320.4	218.2	225.2
42.5°	650.6	508.1	263.1	228.9	277.9
45°	631.5	440.4	222.6	283.9	341.9
47.5°	607.3	375.4	212.5	325.1	343.2
50°	578.2	315.7	233.6	311.7	310.4
52.5°	533.9	266.1	255.1	284.2	295.0
55°	485.7	225.9	252.1	271.2	290.3
57.5°	424.7	198.8	231.3	268.5	290.6
60°	364.0	180.7	213.5	268.1	288.9
62.5°	297.0	164.2	204.5	261.8	274.2
65°	234.3	146.5	196.4	238.6	244.3
67.5°	179.7	128.4	182.3	212.8	224.2
70°	135.4	110.6	160.2	193.1	207.1
72.5°	97.5	93.9	137.4	175.6	190.4
75°	69.0	78.1	117.6	155.9	166.2
77.5°	47.6	63.7	100.9	134.1	142.5
80°	31.2	50.9	85.8	115.3	121.0
82.5°	18.8	40.9	74.4	100.9	103.9
85°	9.7	33.2	66.7	90.8	92.2
87.5°	3.0	27.8	62.3	86.1	87.8
90°	0.3	24.8	59.7	70.7	65.4
92.5°	0.0	23.5	51.6	48.3	43.2
95°	0.0	23.1	41.2	36.5	34.5
97.5°	0.0	22.5	33.9	30.5	29.5
100°	0.0	21.8	29.2	26.8	26.5
102.5°	0.0	21.5	26.5	24.5	24.1
105°	0.0	20.8	25.5	23.1	22.8
107.5°	0.0	19.8	24.8	22.5	21.8
110°	0.0	18.8	24.8	22.1	21.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.8	24.8	21.8	20.8
115°	0.0	17.1	24.5	21.8	20.8
117.5°	0.3	16.4	24.1	21.8	20.8
120°	0.0	15.8	23.5	21.8	20.4
122.5°	0.3	14.7	22.8	21.5	20.4
125°	0.3	13.7	21.8	21.1	20.1
127.5°	0.3	12.7	20.8	20.4	19.4
130°	0.3	11.7	19.8	20.1	19.1
132.5°	0.3	10.7	18.4	19.4	18.8
135°	0.3	9.7	17.4	19.1	18.4
137.5°	0.3	8.7	16.1	18.1	18.1
140°	0.3	7.7	14.7	17.4	17.8
142.5°	0.3	7.0	13.4	16.8	17.1
145°	0.3	6.0	12.1	15.4	16.4
147.5°	0.3	5.4	10.7	14.1	15.4
150°	0.3	4.7	9.4	12.7	14.1
152.5°	0.3	4.0	8.4	11.1	13.1
155°	0.7	3.7	7.4	9.7	11.7
157.5°	0.7	3.0	6.0	8.4	10.1
160°	0.7	2.7	5.4	7.0	9.0
162.5°	0.7	2.3	4.4	6.0	7.7
165°	0.7	2.0	3.7	4.7	6.4
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)