

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: **2SNLED-LD5-22SL-SLC-UNV-L830-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: 2SNLED-LD5-22SL-SLC-UNV-L830-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

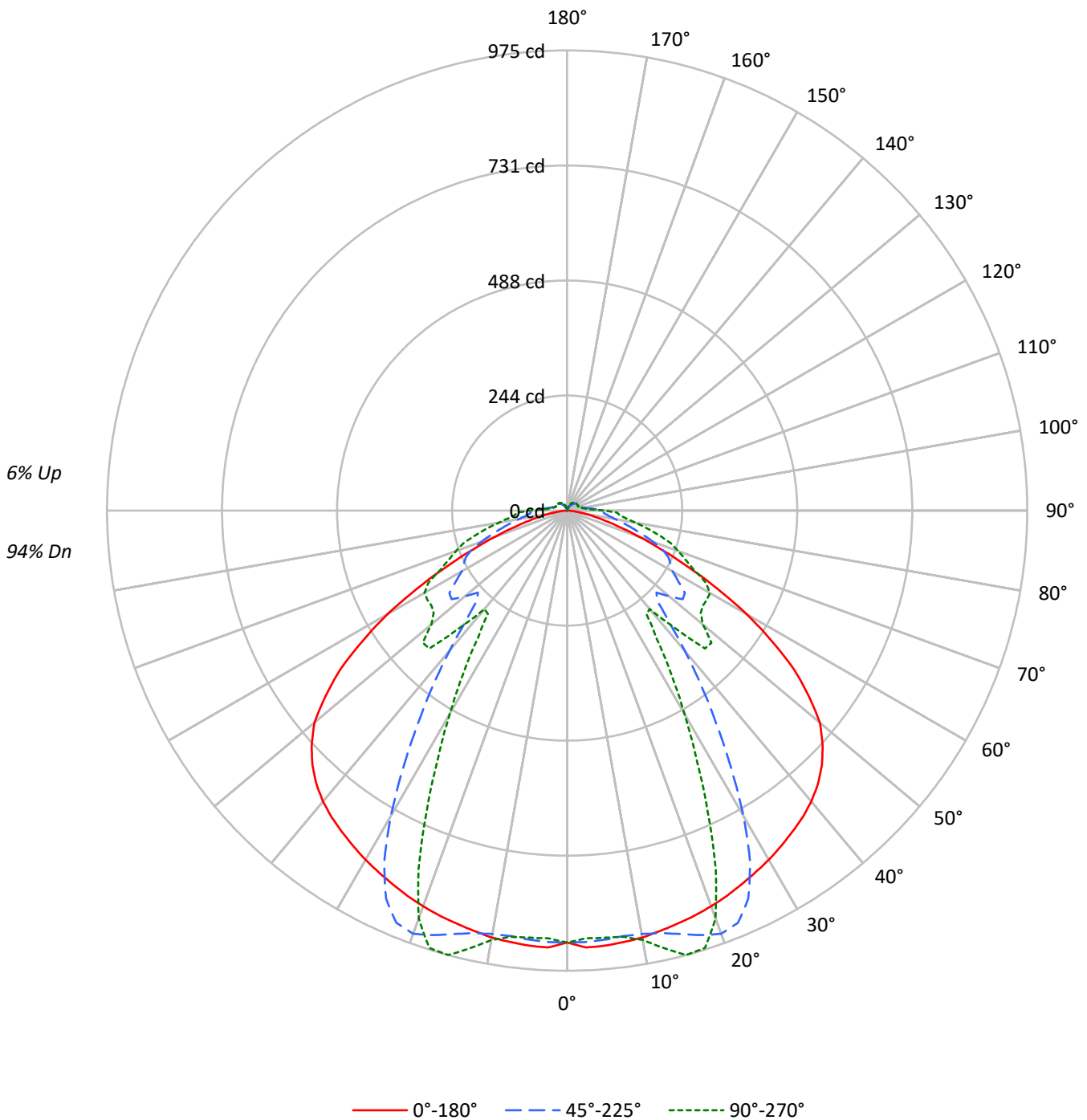
Lumens per Lamp: N/A  
Luminaire Lumens: 2351.0 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 18  
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



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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°	14791	14791	14791
5°	14932	14418	14267
10°	14910	14174	14218
15°	14908	14347	14820
20°	15002	14748	13911
25°	15143	14148	10711
30°	15392	11828	7618
35°	15716	8941	5159
40°	16130	6486	4369
45°	16420	4695	6867
50°	16355	5187	6518
55°	15187	5953	6437
60°	12833	5431	6840
65°	9550	5456	6259
70°	6602	4946	5825
75°	4228	4119	5228
80°	2591	3502	4352
85°	1266	3293	3905



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.1	3.7
10°-20°	262.9	11.2
20°-30°	382.0	16.2
30°-40°	365.0	15.5
40°-50°	333.8	14.2
50°-60°	308.3	13.1
60°-70°	244.8	10.4
70°-80°	151.1	6.4
80°-90°	82.3	3.5
90°-100°	41.6	1.8
100°-110°	26.1	1.1
110°-120°	22.1	0.9
120°-130°	18.1	0.8
130°-140°	13.0	0.6
140°-150°	8.0	0.3
150°-160°	3.8	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	732.0	31.1
0°-40°	1097.0	46.7
0°-60°	1739.1	74.0
0°-90°	2217.3	94.3
90°-120°	89.9	3.8
90°-150°	128.9	5.5
90°-180°	134.0	5.7
0°-180°	2351.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	925	911	913	908	908	88
15°	906	894	929	963	975	256
25°	874	891	908	769	706	404
35°	831	818	551	380	330	521
45°	763	532	269	343	413	587
55°	587	273	305	328	351	517
65°	283	177	237	288	295	286
75°	84	94	142	188	201	95
85°	12	40	81	110	111	15
90°	0	30	72	86	79	1
95°	0	28	50	44	42	0
105°	0	25	31	28	28	0
115°	0	21	30	26	25	0
125°	0	17	26	26	24	0
135°	0	12	21	23	22	0
145°	0	7	15	19	20	0
155°	1	4	9	12	14	0
165°	1	2	4	6	8	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°	915.2	915.2	915.2	915.2	915.2
2.5°	926.6	913.2	914.8	912.0	907.1
5°	925.4	911.2	912.8	907.9	908.3
7.5°	922.1	907.5	909.5	908.7	910.8
10°	918.5	903.1	910.8	917.7	923.7
12.5°	912.0	898.2	916.8	937.1	949.7
15°	905.9	893.7	928.6	963.0	974.8
17.5°	899.8	892.1	943.2	973.2	971.5
20°	892.1	891.3	954.1	944.0	919.3
22.5°	883.6	891.7	945.6	871.5	822.8
25°	873.9	890.9	907.9	768.6	705.8
27.5°	864.2	887.3	839.5	655.9	593.9
30°	854.5	877.5	747.1	553.0	496.7
32.5°	843.1	856.5	646.6	461.9	410.0
35°	831.4	818.0	551.4	379.6	330.2
37.5°	819.2	762.5	465.9	307.5	275.9
40°	804.6	692.8	387.3	263.7	272.3
42.5°	786.4	614.2	318.0	276.7	335.9
45°	763.3	532.4	269.0	343.2	413.2
47.5°	734.1	453.8	256.9	393.0	414.9
50°	698.9	381.6	282.4	376.8	375.2
52.5°	645.4	321.7	308.3	343.6	356.5
55°	587.1	273.1	304.7	327.8	350.9
57.5°	513.3	240.3	279.5	324.5	351.3
60°	440.0	218.4	258.1	324.1	349.2
62.5°	359.0	198.5	247.1	316.4	331.4
65°	283.2	177.0	237.4	288.5	295.4
67.5°	217.2	155.2	220.4	257.3	271.0
70°	163.7	133.7	193.7	233.4	250.4
72.5°	117.9	113.4	166.1	212.3	230.1
75°	83.5	94.4	142.2	188.4	201.0
77.5°	57.5	77.0	121.9	162.1	172.2
80°	37.7	61.6	103.7	139.4	146.3
82.5°	22.7	49.4	89.9	121.9	125.6
85°	11.7	40.1	80.6	109.8	111.4
87.5°	3.6	33.6	75.4	104.1	106.1
90°	0.4	30.0	72.1	85.5	79.0
92.5°	0.0	28.4	62.4	58.3	52.3
95°	0.0	28.0	49.8	44.2	41.7
97.5°	0.0	27.1	40.9	36.9	35.7
100°	0.0	26.3	35.2	32.4	32.0
102.5°	0.0	25.9	32.0	29.6	29.2
105°	0.0	25.1	30.8	28.0	27.5
107.5°	0.0	23.9	30.0	27.1	26.3
110°	0.0	22.7	30.0	26.7	25.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.5	30.0	26.3	25.1
115°	0.0	20.7	29.6	26.3	25.1
117.5°	0.4	19.9	29.2	26.3	25.1
120°	0.0	19.0	28.4	26.3	24.7
122.5°	0.4	17.8	27.5	25.9	24.7
125°	0.4	16.6	26.3	25.5	24.3
127.5°	0.4	15.4	25.1	24.7	23.5
130°	0.4	14.2	23.9	24.3	23.1
132.5°	0.4	13.0	22.3	23.5	22.7
135°	0.4	11.7	21.1	23.1	22.3
137.5°	0.4	10.5	19.4	21.9	21.9
140°	0.4	9.3	17.8	21.1	21.5
142.5°	0.4	8.5	16.2	20.3	20.7
145°	0.4	7.3	14.6	18.6	19.9
147.5°	0.4	6.5	13.0	17.0	18.6
150°	0.4	5.7	11.3	15.4	17.0
152.5°	0.4	4.9	10.1	13.4	15.8
155°	0.8	4.5	8.9	11.7	14.2
157.5°	0.8	3.6	7.3	10.1	12.2
160°	0.8	3.2	6.5	8.5	10.9
162.5°	0.8	2.8	5.3	7.3	9.3
165°	0.8	2.4	4.5	5.7	7.7
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)