

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-LD5-30SL-SLN-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 (P27402)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-30SL-SLN-UNV-L935-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

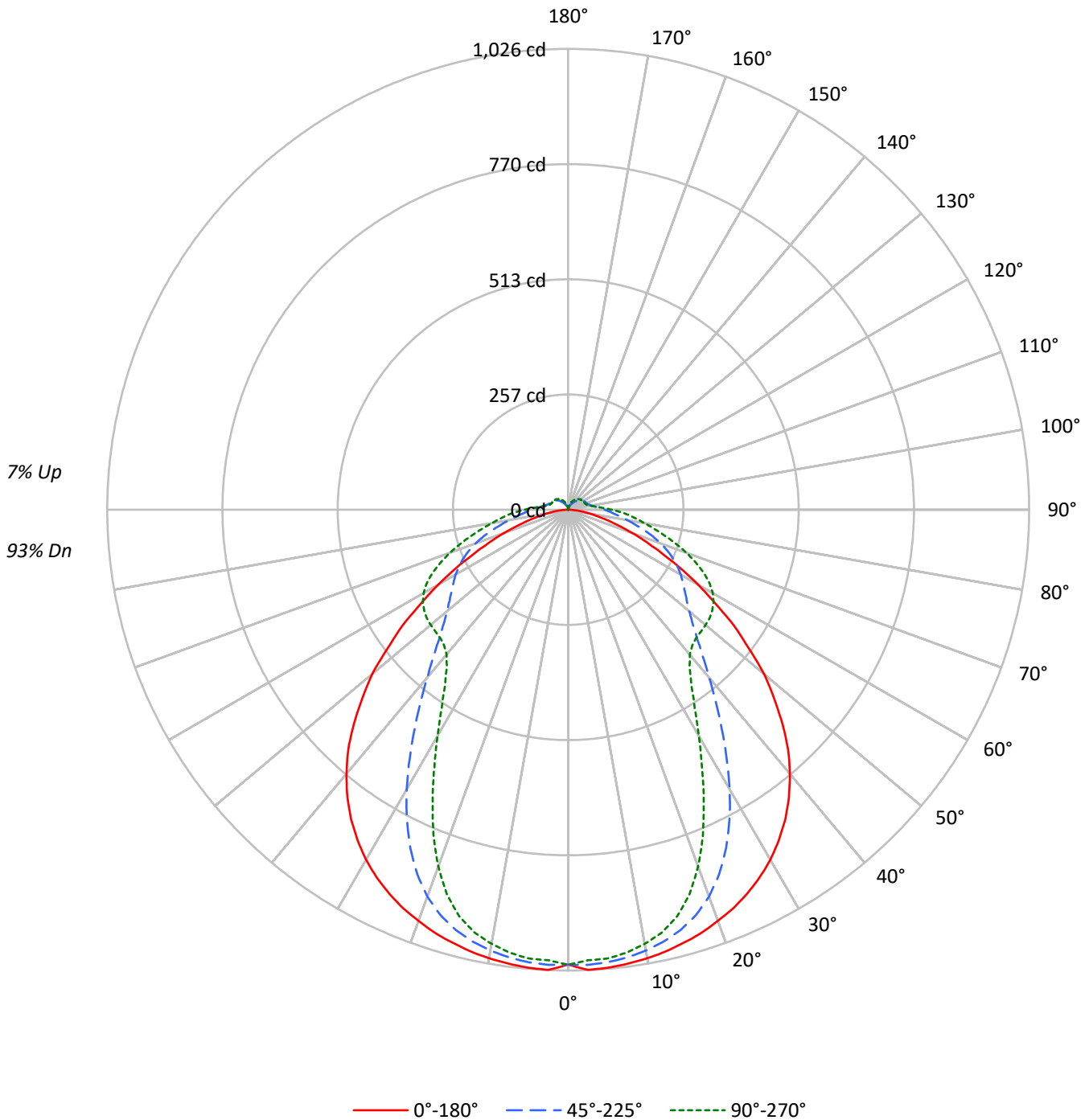
Lumens per Lamp: N/A  
Luminaire Lumens: 2547.0 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 21  
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			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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

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

	0°	45°	90°
0°	8184	8184	8184
5°	8279	8004	7878
10°	8276	7782	7554
15°	8278	7521	7123
20°	8283	7134	6397
25°	8286	6537	5417
30°	8246	5752	4456
35°	8129	4894	3734
40°	7891	4145	3376
45°	7473	3602	3350
50°	6904	3293	3467
55°	6079	3165	3589
60°	5129	3120	3639
65°	4125	3050	3526
70°	3314	2893	3251
75°	2500	2619	2884
80°	1846	2351	2566
85°	1230	2219	2361



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.8	3.8
10°-20°	270.8	10.6
20°-30°	378.6	14.9
30°-40°	392.7	15.4
40°-50°	362.8	14.2
50°-60°	323.9	12.7
60°-70°	262.5	10.3
70°-80°	174.6	6.9
80°-90°	100.0	3.9
90°-100°	55.3	2.2
100°-110°	37.4	1.5
110°-120°	31.2	1.2
120°-130°	25.4	1.0
130°-140°	18.3	0.7
140°-150°	11.0	0.4
150°-160°	5.3	0.2
160°-170°	1.4	0.1
170°-180°	0.0	0.0
0°-30°	745.2	29.3
0°-40°	1137.9	44.7
0°-60°	1824.6	71.6
0°-90°	2361.7	92.7
90°-120°	124.0	4.9
90°-150°	178.6	7.0
90°-180°	185.0	7.3
0°-180°	2547.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1023	1006	1012	1004	1003	97
15°	998	977	968	946	937	282
25°	943	901	831	744	714	434
35°	842	750	596	500	478	525
45°	674	534	406	391	403	518
55°	451	341	317	368	391	401
65°	230	206	258	316	333	233
75°	89	112	174	213	222	98
85°	18	52	103	131	135	21
90°	1	36	81	98	97	1
95°	1	31	64	69	66	1
105°	0	27	46	45	43	0
115°	0	24	41	40	39	0
125°	0	21	36	38	37	0
135°	1	15	29	34	34	1
145°	1	10	20	26	28	1
155°	1	6	12	16	20	0
165°	1	4	6	8	11	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°	1012.8	1012.8	1012.8	1012.8	1012.8
2.5°	1025.6	1008.8	1014.1	1009.7	1004.0
5°	1023.4	1006.2	1011.5	1004.4	1003.1
7.5°	1019.4	1002.2	1005.3	996.9	994.7
10°	1014.1	996.1	996.5	984.6	981.5
12.5°	1007.1	987.3	984.6	968.3	963.9
15°	997.8	976.7	968.3	946.3	937.1
17.5°	987.7	963.1	945.9	912.0	897.5
20°	974.1	946.3	916.4	864.9	845.5
22.5°	960.4	926.1	878.1	809.4	783.5
25°	942.8	901.0	831.4	744.3	713.9
27.5°	923.0	871.5	777.7	677.4	644.8
30°	899.7	835.8	718.8	611.8	581.0
32.5°	872.4	795.8	656.7	552.8	524.2
35°	842.0	749.6	596.0	500.5	478.0
37.5°	807.2	699.0	539.6	458.2	443.7
40°	767.6	643.9	487.7	425.6	420.8
42.5°	724.9	590.2	443.2	404.5	408.9
45°	674.3	534.3	405.8	391.3	403.2
47.5°	621.1	479.8	375.4	383.8	401.0
50°	569.6	429.1	351.7	379.0	399.2
52.5°	505.7	383.8	332.8	374.6	396.6
55°	450.7	340.7	316.9	368.4	391.3
57.5°	387.3	301.9	302.8	360.5	383.4
60°	334.5	266.7	289.2	349.5	371.5
62.5°	280.8	235.0	274.2	335.0	354.8
65°	230.2	206.0	257.9	316.0	332.8
67.5°	187.9	179.6	239.4	293.1	307.2
70°	152.3	155.4	219.2	267.6	279.5
72.5°	117.1	132.9	197.2	240.3	250.4
75°	89.4	111.8	173.9	213.0	221.8
77.5°	66.0	93.3	152.7	188.4	195.9
80°	46.7	77.0	132.9	166.8	172.5
82.5°	31.3	63.4	116.6	147.5	152.7
85°	18.0	51.9	102.6	131.2	134.7
87.5°	7.5	43.1	91.1	114.4	116.2
90°	0.9	36.5	81.0	97.7	96.8
92.5°	0.9	33.0	72.2	81.9	79.7
95°	0.9	30.8	64.3	68.7	66.5
97.5°	0.9	29.5	57.2	59.0	56.8
100°	0.4	28.6	52.4	52.4	50.2
102.5°	0.4	27.7	48.9	47.5	45.8
105°	0.4	26.8	46.2	44.9	42.7
107.5°	0.4	26.4	44.5	43.1	40.9
110°	0.4	25.5	43.1	41.8	40.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	25.1	42.3	41.4	39.2
115°	0.4	24.2	40.9	40.5	39.2
117.5°	0.4	23.3	40.1	40.1	38.7
120°	0.4	22.4	38.7	39.6	38.3
122.5°	0.4	21.6	37.4	38.7	37.4
125°	0.4	20.7	36.1	37.9	37.0
127.5°	0.9	19.4	34.3	37.0	36.1
130°	0.4	18.0	32.6	36.1	35.7
132.5°	0.9	16.7	30.8	34.8	34.8
135°	0.9	15.4	28.6	33.5	33.5
137.5°	0.9	13.6	26.4	31.7	32.1
140°	0.9	12.3	24.2	29.9	30.8
142.5°	0.9	11.0	22.0	28.2	29.5
145°	0.9	9.7	19.8	26.0	27.7
147.5°	0.9	8.8	17.6	23.3	26.0
150°	0.9	7.5	15.8	21.1	23.8
152.5°	0.9	6.6	14.1	18.9	22.0
155°	0.9	6.2	12.3	16.3	19.8
157.5°	0.9	5.3	10.6	14.1	17.6
160°	0.9	4.4	8.8	12.3	15.0
162.5°	0.9	4.0	7.5	10.1	13.2
165°	0.9	3.5	6.2	7.9	10.6
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)