

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-LD5-73SL-SLC-UNV-L835-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-LD5-73SL-SLC-UNV-L835-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

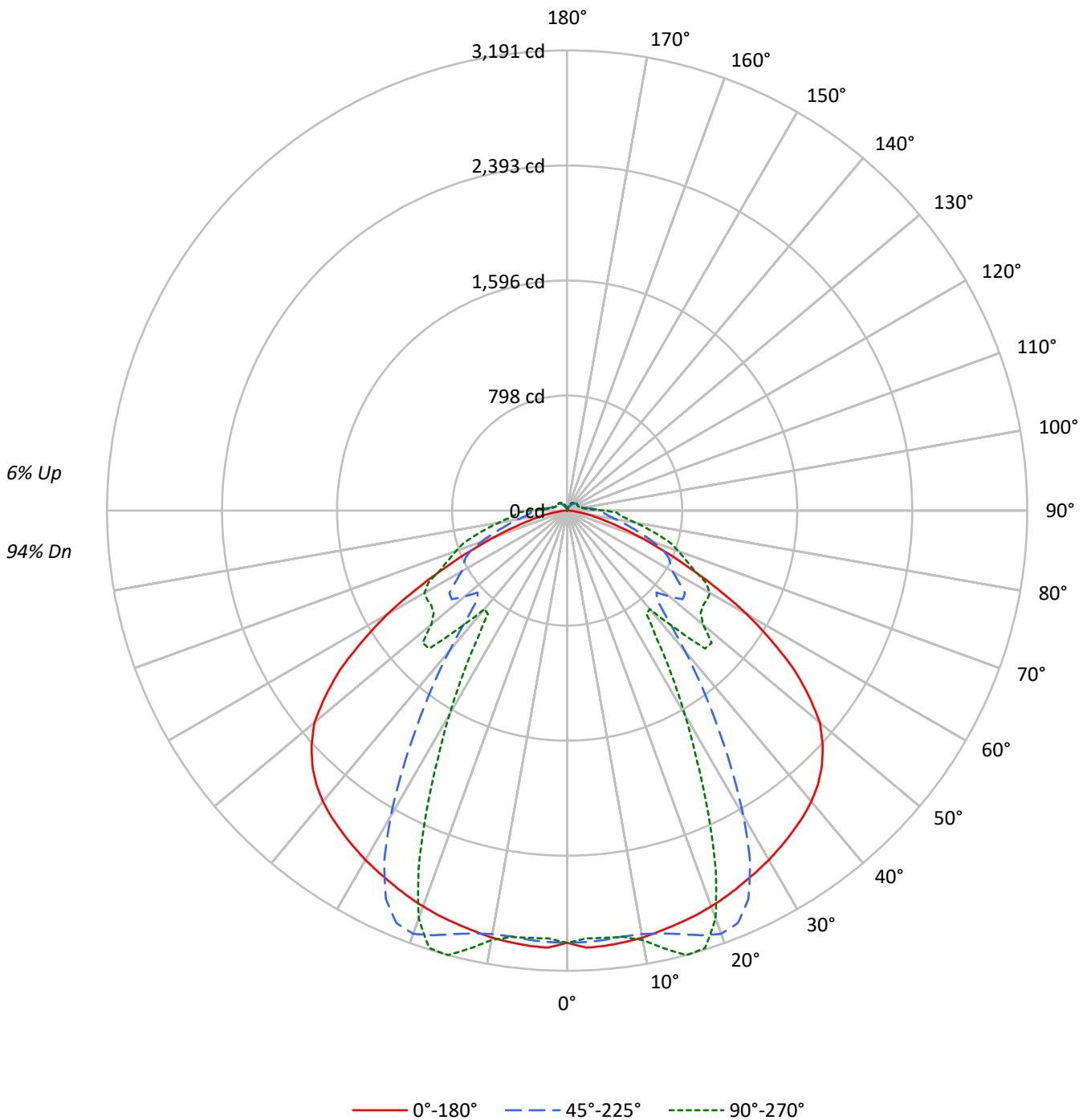
Lumens per Lamp: N/A  
Luminaire Lumens: 7697.0 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 70  
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	63	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°	24214	24214	24214
5°	24508	23647	23356
10°	24539	23287	23275
15°	24607	23614	24259
20°	24835	24318	22770
25°	25144	23371	17533
30°	25640	19574	12471
35°	26276	14824	8445
40°	27079	10777	7151
45°	27694	7817	11242
50°	27733	8656	10669
55°	25922	9963	10536
60°	22086	9116	11199
65°	16616	9194	10244
70°	11661	8369	9534
75°	7639	7012	8556
80°	4878	6008	7121
85°	2630	5711	6393



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.1	3.7
10°-20°	860.9	11.2
20°-30°	1250.6	16.2
30°-40°	1194.8	15.5
40°-50°	1093.0	14.2
50°-60°	1009.2	13.1
60°-70°	801.6	10.4
70°-80°	494.8	6.4
80°-90°	269.4	3.5
90°-100°	136.2	1.8
100°-110°	85.6	1.1
110°-120°	72.5	0.9
120°-130°	59.2	0.8
130°-140°	42.5	0.6
140°-150°	26.2	0.3
150°-160°	12.4	0.2
160°-170°	3.2	0.0
170°-180°	0.0	0.0
0°-30°	2396.5	31.1
0°-40°	3591.3	46.7
0°-60°	5693.5	74.0
0°-90°	7259.3	94.3
90°-120°	294.2	3.8
90°-150°	422.1	5.5
90°-180°	438.0	5.7
0°-180°	7697.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2996	2996	2996	2996	2996	
5°	3030	2983	2988	2972	2974	288
15°	2966	2926	3040	3153	3191	839
25°	2861	2917	2972	2516	2311	1322
35°	2722	2678	1805	1243	1081	1707
45°	2499	1743	881	1124	1353	1921
55°	1922	894	998	1073	1149	1693
65°	927	580	777	944	967	938
75°	273	309	466	617	658	310
85°	38	131	264	360	365	49
90°	1	98	236	280	259	2
95°	0	92	163	145	137	0
105°	0	82	101	92	90	0
115°	0	68	97	86	82	1
125°	1	54	86	84	80	1
135°	1	38	69	76	73	1
145°	1	24	48	61	65	1
155°	3	15	29	38	46	1
165°	3	8	15	19	25	1
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°	2996.4	2996.4	2996.4	2996.4	2996.4
2.5°	3033.5	2989.7	2995.0	2985.8	2969.8
5°	3029.5	2983.1	2988.4	2972.5	2973.8
7.5°	3018.9	2971.2	2977.8	2975.1	2981.8
10°	3007.0	2956.6	2981.8	3004.3	3024.2
12.5°	2985.8	2940.7	3001.7	3068.0	3109.1
15°	2965.9	2926.1	3040.1	3152.9	3191.4
17.5°	2946.0	2920.8	3087.9	3186.0	3180.7
20°	2920.8	2918.1	3123.7	3090.5	3009.6
22.5°	2892.9	2919.4	3095.8	2853.1	2693.9
25°	2861.1	2916.8	2972.5	2516.2	2310.6
27.5°	2829.2	2904.8	2748.3	2147.5	1944.5
30°	2797.4	2873.0	2445.9	1810.6	1626.2
32.5°	2760.3	2804.0	2117.0	1512.1	1342.3
35°	2721.8	2678.0	1805.2	1242.8	1081.0
37.5°	2682.0	2496.3	1525.4	1006.7	903.3
40°	2634.3	2268.2	1268.1	863.5	891.4
42.5°	2574.6	2010.8	1041.2	905.9	1099.6
45°	2499.0	1742.9	880.7	1123.5	1352.9
47.5°	2403.5	1485.6	840.9	1286.6	1358.2
50°	2288.1	1249.5	924.5	1233.6	1228.3
52.5°	2113.0	1053.2	1009.4	1124.8	1167.2
55°	1922.0	894.0	997.5	1073.1	1148.7
57.5°	1680.6	786.6	915.2	1062.5	1150.0
60°	1440.5	714.9	844.9	1061.1	1143.4
62.5°	1175.2	649.9	809.1	1035.9	1085.0
65°	927.2	579.6	777.3	944.4	967.0
67.5°	711.0	508.0	721.6	842.3	887.4
70°	535.9	437.7	634.0	764.0	819.7
72.5°	386.0	371.4	543.8	695.0	753.4
75°	273.2	309.1	465.6	616.8	657.9
77.5°	188.4	252.0	399.3	530.6	563.7
80°	123.4	201.6	339.6	456.3	478.8
82.5°	74.3	161.8	294.5	399.3	411.2
85°	38.5	131.3	264.0	359.5	364.8
87.5°	11.9	110.1	246.7	340.9	347.5
90°	1.3	98.2	236.1	279.9	258.7
92.5°	0.0	92.8	204.3	191.0	171.1
95°	0.0	91.5	163.1	144.6	136.6
97.5°	0.0	88.9	134.0	120.7	116.7
100°	0.0	86.2	115.4	106.1	104.8
102.5°	0.0	84.9	104.8	96.8	95.5
105°	0.0	82.2	100.8	91.5	90.2
107.5°	0.0	78.3	98.2	88.9	86.2
110°	0.0	74.3	98.2	87.5	83.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.3	98.2	86.2	82.2
115°	0.0	67.6	96.8	86.2	82.2
117.5°	1.3	65.0	95.5	86.2	82.2
120°	0.0	62.3	92.8	86.2	80.9
122.5°	1.3	58.4	90.2	84.9	80.9
125°	1.3	54.4	86.2	83.6	79.6
127.5°	1.3	50.4	82.2	80.9	76.9
130°	1.3	46.4	78.3	79.6	75.6
132.5°	1.3	42.4	73.0	76.9	74.3
135°	1.3	38.5	69.0	75.6	73.0
137.5°	1.3	34.5	63.7	71.6	71.6
140°	1.3	30.5	58.4	69.0	70.3
142.5°	1.3	27.9	53.1	66.3	67.6
145°	1.3	23.9	47.8	61.0	65.0
147.5°	1.3	21.2	42.4	55.7	61.0
150°	1.3	18.6	37.1	50.4	55.7
152.5°	1.3	15.9	33.2	43.8	51.7
155°	2.7	14.6	29.2	38.5	46.4
157.5°	2.7	11.9	23.9	33.2	39.8
160°	2.7	10.6	21.2	27.9	35.8
162.5°	2.7	9.3	17.2	23.9	30.5
165°	2.7	8.0	14.6	18.6	25.2
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)