

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: P289964

Luminaire Tested: **8SSRK-LW-60-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289964  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-LW-60-L930-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

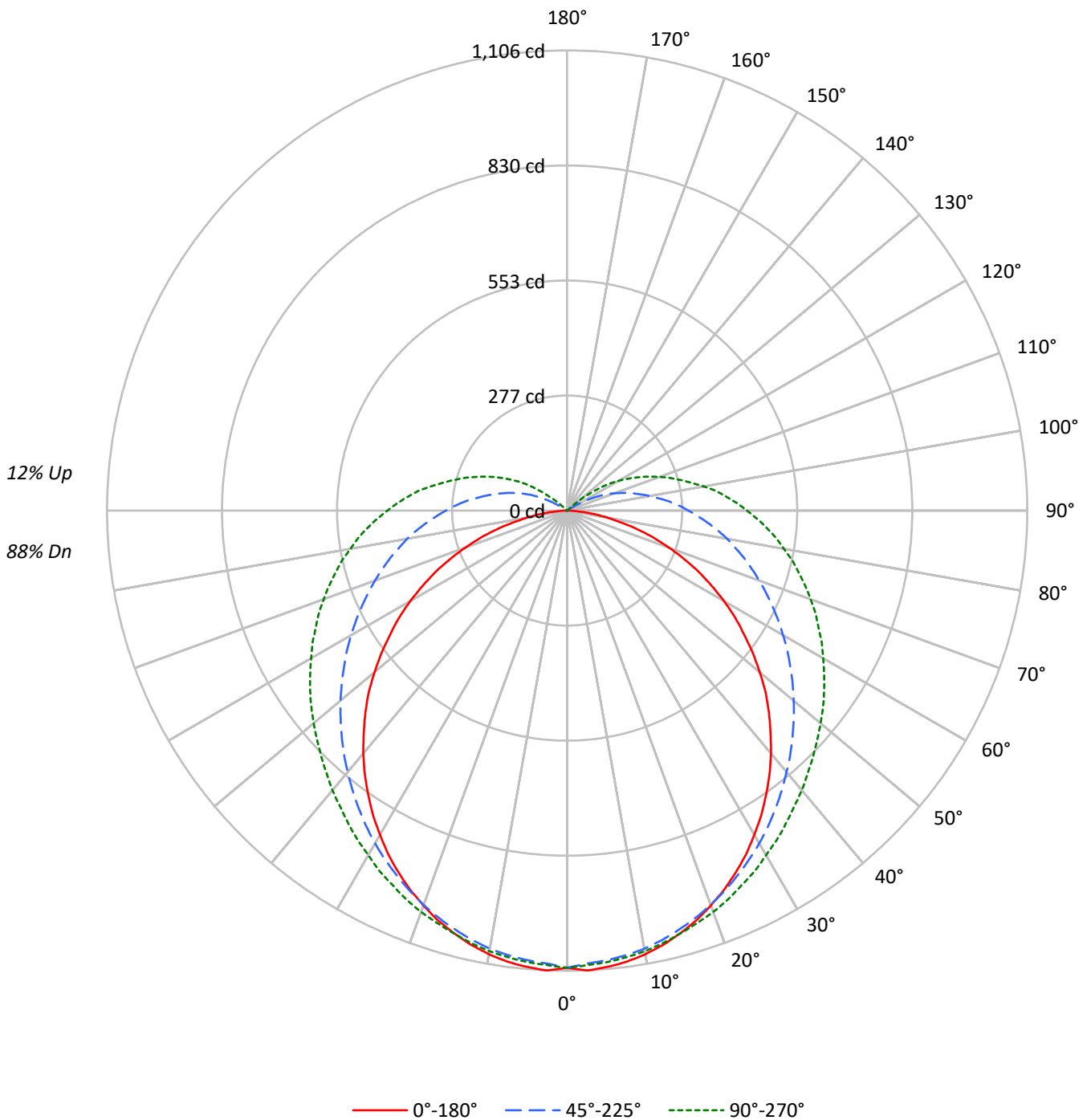
Lumens per Lamp: N/A  
Luminaire Lumens: 4372.7 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 41.3831  
Input Voltage (V): NR  
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	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88				
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67				
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54				
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44				
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37				
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32				
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28				
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24				
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21				
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19				
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17				

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

	0°	45°	90°
0°	35485	35485	35485
5°	35630	28164	26163
10°	35371	23356	20674
15°	34957	19776	16975
20°	34440	17035	14365
25°	33858	14832	12349
30°	33137	13039	10772
35°	32385	11512	9514
40°	31586	10212	8491
45°	30670	9108	7634
50°	29613	8139	6929
55°	28380	7286	6326
60°	27134	6534	5787
65°	25533	5862	5317
70°	23335	5264	4902
75°	20409	4727	4514
80°	16248	4244	4153
85°	10563	3753	3823



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.8	2.4
10°-20°	296.2	6.8
20°-30°	449.1	10.3
30°-40°	548.1	12.5
40°-50°	590.3	13.5
50°-60°	579.8	13.3
60°-70°	523.9	12.0
70°-80°	436.2	10.0
80°-90°	334.5	7.7
90°-100°	242.2	5.5
100°-110°	156.5	3.6
110°-120°	84.3	1.9
120°-130°	26.7	0.6
130°-140°	1.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	849.1	19.4
0°-40°	1397.2	32.0
0°-60°	2567.4	58.7
0°-90°	3862.0	88.3
90°-120°	483.0	11.0
90°-150°	510.7	11.7
90°-180°	511.0	11.7
0°-180°	4372.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1099	1099	1099	1099	1099	
5°	1101	1097	1085	1093	1090	105
15°	1052	1049	1042	1054	1052	297
25°	960	961	968	989	993	442
35°	834	844	873	908	917	522
45°	686	712	766	817	836	529
55°	519	570	655	728	754	465
65°	349	425	544	636	666	345
75°	176	292	440	542	576	187
85°	35	179	339	445	482	42
90°	1	135	291	396	432	2
95°	2	98	247	350	384	2
105°	2	35	161	251	283	2
115°	2	2	81	160	190	2
125°	1	1	1	64	91	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	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°	1098.9	1098.9	1098.9	1098.9	1098.9
2.5°	1106.4	1101.7	1089.6	1097.1	1093.7
5°	1101.2	1097.1	1085.0	1093.1	1089.6
7.5°	1093.7	1089.6	1078.0	1086.1	1083.2
10°	1082.7	1078.6	1069.4	1077.5	1075.2
12.5°	1068.8	1065.9	1057.2	1067.1	1064.8
15°	1051.5	1049.1	1042.2	1053.8	1052.0
17.5°	1033.0	1030.6	1026.6	1038.7	1039.3
20°	1009.8	1009.3	1008.7	1024.3	1026.6
22.5°	986.1	986.7	989.0	1008.1	1011.6
25°	959.5	960.7	968.2	989.0	993.1
27.5°	931.2	935.3	946.3	970.5	976.9
30°	899.4	906.4	923.7	949.1	956.1
32.5°	868.2	875.7	898.9	928.9	938.2
35°	833.5	844.5	873.4	908.1	917.3
37.5°	798.9	811.6	847.4	885.0	896.5
40°	762.4	779.2	820.2	862.4	877.5
42.5°	723.1	746.8	794.2	839.3	856.1
45°	685.6	711.6	766.5	816.8	835.8
47.5°	646.8	678.0	738.7	794.8	815.0
50°	604.1	641.6	711.0	772.8	795.4
52.5°	562.4	606.9	683.2	750.3	775.2
55°	519.1	570.5	654.9	727.8	754.3
57.5°	478.6	533.5	627.8	704.1	732.4
60°	435.3	497.7	599.4	682.1	710.4
62.5°	391.3	461.9	571.7	658.4	690.2
65°	349.1	424.9	544.5	635.8	666.5
67.5°	304.0	391.3	517.9	611.6	646.2
70°	261.3	356.7	491.3	588.4	622.5
72.5°	218.5	323.1	465.3	565.3	600.0
75°	176.3	292.5	439.9	541.6	576.3
77.5°	134.1	260.1	413.9	517.9	554.3
80°	97.7	231.8	390.8	493.6	528.9
82.5°	66.5	205.2	364.7	470.5	506.4
85°	35.3	179.2	339.3	445.1	482.1
87.5°	10.4	156.1	314.5	420.2	457.2
90°	1.2	134.7	291.3	396.0	431.8
92.5°	1.7	116.2	269.4	374.0	408.7
95°	2.3	97.7	246.8	349.7	383.8
97.5°	2.3	81.5	223.7	324.9	361.3
100°	2.3	65.9	201.7	299.4	333.0
102.5°	2.3	51.4	180.9	274.0	306.9
105°	2.3	34.7	160.7	251.4	282.7
107.5°	2.3	17.3	141.0	229.5	260.1
110°	2.3	3.5	121.4	206.9	236.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	2.3	102.3	183.2	213.3
115°	1.7	1.7	80.9	160.1	190.2
117.5°	1.7	1.7	57.8	138.7	165.9
120°	1.7	1.2	33.5	116.2	143.4
122.5°	1.2	1.2	11.0	90.2	119.7
125°	1.2	0.6	0.6	64.2	91.3
127.5°	1.2	0.6	0.0	35.8	61.9
130°	1.2	0.6	0.0	10.4	35.3
132.5°	1.2	0.6	0.0	0.0	7.5
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
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)