

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: P289916

Luminaire Tested: **4SSRK-LW-30-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289916  
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: 4SSRK-LW-30-L930-CD1-U  
Description: 3000 LUMEN, 4 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: 2187.0 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

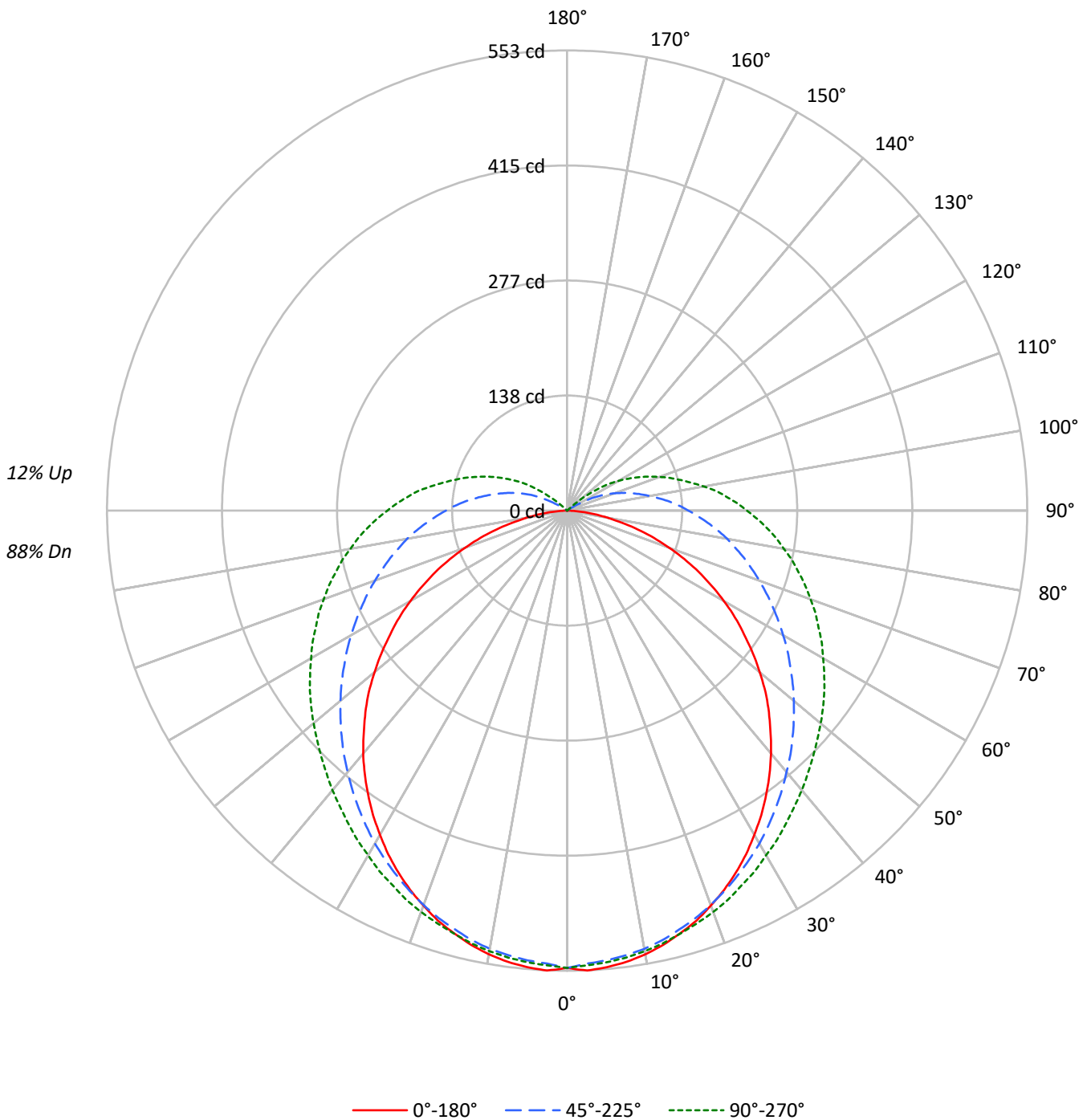
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	35495	35495	35495
5°	35572	28141	26168
10°	35252	23320	20678
15°	34774	19735	16982
20°	34196	16995	14368
25°	33546	14792	12353
30°	32755	13001	10776
35°	31937	11475	9517
40°	31060	10177	8492
45°	30066	9075	7636
50°	28917	8109	6931
55°	27588	7257	6329
60°	26227	6508	5789
65°	24493	5837	5318
70°	22145	5241	4904
75°	19047	4706	4515
80°	14711	4223	4153
85°	8834	3735	3824



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.9	2.4
10°-20°	148.1	6.8
20°-30°	224.6	10.3
30°-40°	274.1	12.5
40°-50°	295.3	13.5
50°-60°	290.0	13.3
60°-70°	262.0	12.0
70°-80°	218.1	10.0
80°-90°	167.3	7.7
90°-100°	121.1	5.5
100°-110°	78.3	3.6
110°-120°	42.2	1.9
120°-130°	13.3	0.6
130°-140°	0.5	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°	424.7	19.4
0°-40°	698.8	32.0
0°-60°	1284.0	58.7
0°-90°	1931.5	88.3
90°-120°	241.6	11.0
90°-150°	255.5	11.7
90°-180°	255.0	11.7
0°-180°	2187.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	550	550	550	550	550	
5°	551	549	543	547	545	52
15°	526	525	521	527	526	148
25°	480	480	484	495	497	221
35°	417	422	437	454	459	261
45°	343	356	383	408	418	264
55°	260	285	328	364	377	233
65°	175	212	272	318	333	172
75°	88	146	220	271	288	93
85°	18	90	170	223	241	21
90°	1	67	146	198	216	1
95°	1	49	123	175	192	1
105°	1	17	80	126	141	1
115°	1	1	40	80	95	1
125°	1	0	0	32	46	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°	549.6	549.6	549.6	549.6	549.6
2.5°	553.3	551.0	544.9	548.7	547.0
5°	550.7	548.7	542.6	546.7	544.9
7.5°	547.0	544.9	539.2	543.2	541.8
10°	541.5	539.5	534.8	538.9	537.7
12.5°	534.5	533.1	528.8	533.7	532.5
15°	525.9	524.7	521.2	527.0	526.2
17.5°	516.6	515.5	513.4	519.5	519.8
20°	505.1	504.8	504.5	512.3	513.4
22.5°	493.2	493.5	494.6	504.2	505.9
25°	479.9	480.5	484.2	494.6	496.7
27.5°	465.7	467.8	473.3	485.4	488.6
30°	449.8	453.3	462.0	474.7	478.2
32.5°	434.2	438.0	449.5	464.6	469.2
35°	416.9	422.4	436.8	454.2	458.8
37.5°	399.5	405.9	423.8	442.6	448.4
40°	381.3	389.7	410.2	431.3	438.8
42.5°	361.7	373.5	397.2	419.8	428.2
45°	342.9	355.9	383.3	408.5	418.0
47.5°	323.5	339.1	369.5	397.5	407.6
50°	302.1	320.9	355.6	386.5	397.8
52.5°	281.3	303.6	341.7	375.2	387.7
55°	259.6	285.3	327.5	364.0	377.3
57.5°	239.4	266.8	314.0	352.1	366.3
60°	217.7	248.9	299.8	341.1	355.3
62.5°	195.7	231.0	285.9	329.3	345.2
65°	174.6	212.5	272.3	318.0	333.3
67.5°	152.1	195.7	259.0	305.9	323.2
70°	130.7	178.4	245.7	294.3	311.4
72.5°	109.3	161.6	232.7	282.7	300.1
75°	88.2	146.3	220.0	270.9	288.2
77.5°	67.1	130.1	207.0	259.0	277.2
80°	48.9	115.9	195.4	246.9	264.5
82.5°	33.2	102.6	182.4	235.3	253.2
85°	17.6	89.6	169.7	222.6	241.1
87.5°	5.2	78.1	157.3	210.2	228.7
90°	0.6	67.4	145.7	198.0	216.0
92.5°	0.9	58.1	134.7	187.0	204.4
95°	1.2	48.9	123.4	174.9	192.0
97.5°	1.2	40.8	111.9	162.5	180.7
100°	1.2	33.0	100.9	149.8	166.5
102.5°	1.2	25.7	90.5	137.0	153.5
105°	1.2	17.3	80.4	125.8	141.4
107.5°	1.2	8.7	70.5	114.8	130.1
110°	1.2	1.7	60.7	103.5	118.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	1.2	51.2	91.6	106.7
115°	0.9	0.9	40.5	80.1	95.1
117.5°	0.9	0.9	28.9	69.4	83.0
120°	0.9	0.6	16.8	58.1	71.7
122.5°	0.6	0.6	5.5	45.1	59.8
125°	0.6	0.3	0.3	32.1	45.7
127.5°	0.6	0.3	0.0	17.9	30.9
130°	0.6	0.3	0.0	5.2	17.6
132.5°	0.6	0.3	0.0	0.0	3.8
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)