

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: P290444

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290444  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-SLW-30-L930-CD1-U  
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2321.3 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

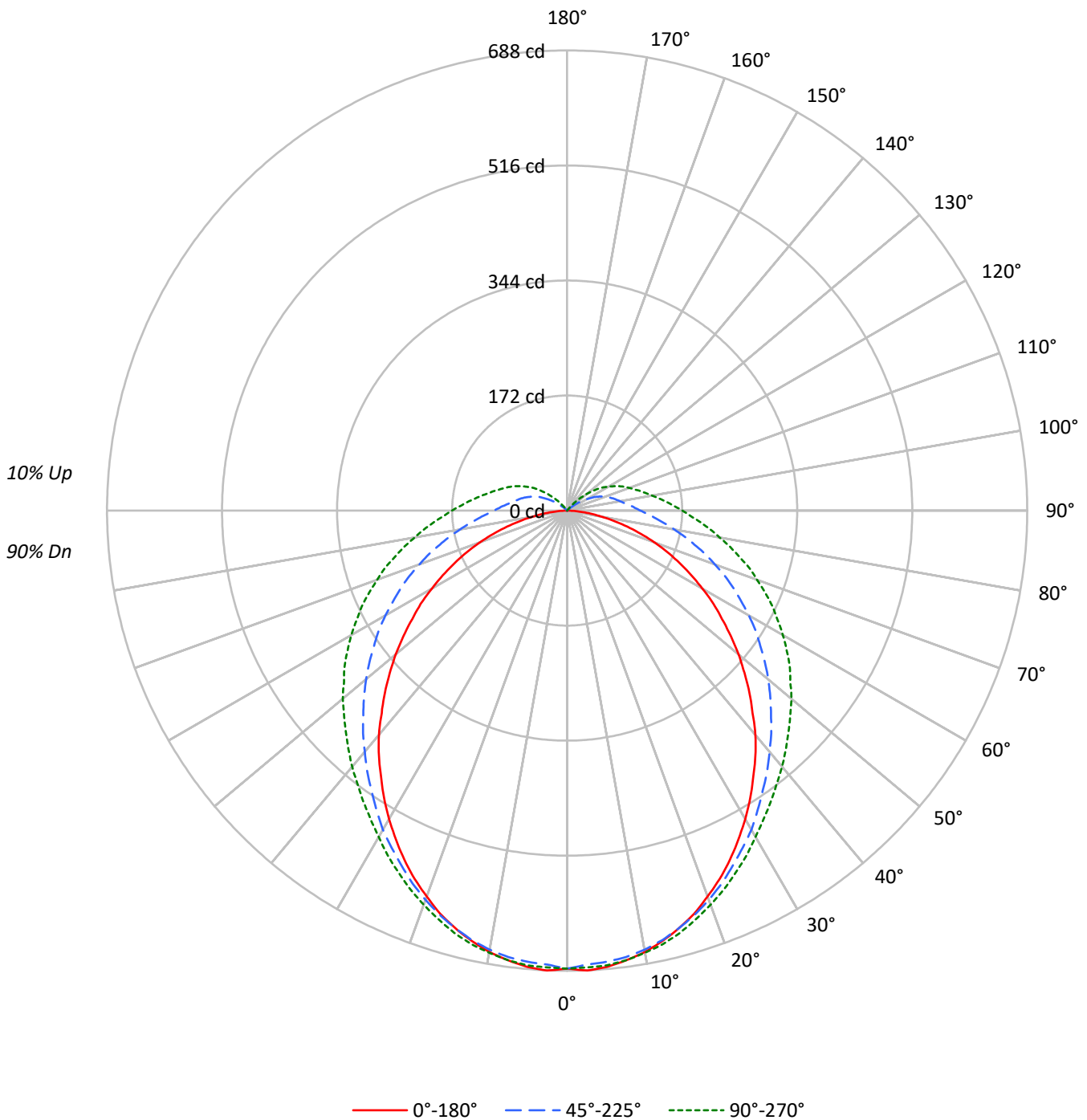
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90				
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71				
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58				
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48				
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41				
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35				
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31				
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27				
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22				
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	25	21	20				

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

	0°	45°	90°
0°	44226	44226	44226
5°	44234	35126	32776
10°	43624	29067	25816
15°	42742	24476	21083
20°	41568	20869	17547
25°	40270	17892	14848
30°	38778	15506	12696
35°	37185	13403	11017
40°	35679	11676	9678
45°	33810	10204	8549
50°	32018	8953	7631
55°	30043	7809	6819
60°	28142	6810	6070
65°	25994	5880	5406
70°	23415	5013	4758
75°	20040	4218	4170
80°	15733	3512	3637
85°	10290	2927	3169



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.7	2.8
10°-20°	183.0	7.9
20°-30°	270.8	11.7
30°-40°	319.8	13.8
40°-50°	332.4	14.3
50°-60°	313.4	13.5
60°-70°	267.2	11.5
70°-80°	202.1	8.7
80°-90°	136.3	5.9
90°-100°	93.6	4.0
100°-110°	67.1	2.9
110°-120°	43.1	1.9
120°-130°	22.0	0.9
130°-140°	5.6	0.2
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	518.5	22.3
0°-40°	838.3	36.1
0°-60°	1484.2	63.9
0°-90°	2089.8	90.0
90°-120°	203.8	8.8
90°-150°	231.5	10.0
90°-180°	231.0	10.0
0°-180°	2321.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	685	685	685	685	685	
5°	685	683	677	684	682	65
15°	646	648	646	653	653	182
25°	576	583	586	596	597	265
35°	485	497	510	526	531	304
45°	386	405	431	458	468	297
55°	283	312	352	390	406	254
65°	185	223	274	320	339	184
75°	93	138	197	248	266	99
85°	20	69	133	182	200	23
90°	0	49	109	156	172	1
95°	0	39	93	134	149	0
105°	1	25	70	102	113	1
115°	1	3	49	77	86	1
125°	1	1	20	48	57	1
135°	1	0	0	15	22	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°	684.8	684.8	684.8	684.8	684.8
2.5°	688.3	686.0	679.4	685.1	683.7
5°	684.8	683.1	677.3	683.7	682.5
7.5°	678.2	677.9	673.3	679.9	677.9
10°	670.1	670.4	666.6	673.3	671.3
12.5°	659.1	660.3	657.7	664.0	663.7
15°	646.4	648.4	646.4	652.8	653.3
17.5°	631.9	635.1	633.7	641.5	640.6
20°	614.0	618.4	619.5	627.3	627.0
22.5°	596.1	601.6	603.6	611.7	612.9
25°	576.1	582.8	585.7	595.8	597.0
27.5°	554.5	563.1	568.3	578.5	581.1
30°	532.5	541.7	551.0	561.1	563.4
32.5°	509.7	519.8	530.5	544.3	546.9
35°	485.4	496.9	510.2	525.6	531.1
37.5°	462.5	475.5	491.2	509.1	514.9
40°	438.0	451.3	470.6	490.9	500.1
42.5°	410.5	428.4	451.6	475.8	483.9
45°	385.6	404.7	431.0	457.6	468.0
47.5°	359.6	381.9	411.7	441.1	452.4
50°	334.5	358.8	392.6	424.4	438.0
52.5°	308.5	335.9	372.6	407.9	420.6
55°	282.7	311.9	352.4	390.3	406.5
57.5°	259.6	289.4	334.2	372.9	389.4
60°	233.6	268.0	313.7	355.3	372.6
62.5°	209.6	244.6	293.4	337.7	355.0
65°	185.3	222.9	274.3	319.7	338.8
67.5°	162.5	200.3	255.0	302.1	320.3
70°	138.2	179.2	235.0	283.6	302.1
72.5°	115.9	158.1	216.5	265.7	285.6
75°	92.8	137.9	197.2	247.5	266.2
77.5°	72.3	118.2	179.8	230.4	249.2
80°	52.3	100.3	162.5	213.3	231.6
82.5°	35.6	83.8	147.1	197.7	215.7
85°	20.5	69.1	133.0	182.1	199.8
87.5°	7.8	57.5	120.3	168.5	184.7
90°	0.3	48.9	109.3	155.8	172.3
92.5°	0.3	42.8	100.9	144.3	159.6
95°	0.3	38.7	93.1	134.1	149.2
97.5°	0.6	35.6	86.1	125.2	138.5
100°	0.6	32.4	80.4	116.5	129.2
102.5°	0.6	29.2	75.2	108.7	120.5
105°	0.6	24.9	70.5	101.5	113.0
107.5°	0.6	19.4	65.3	95.4	105.5
110°	0.6	14.2	59.8	89.3	99.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	8.7	54.9	83.3	92.8
115°	0.6	3.2	48.9	76.6	86.1
117.5°	0.6	1.2	41.6	70.2	78.6
120°	0.6	0.9	34.7	63.3	71.7
122.5°	0.6	0.9	27.5	55.8	64.8
125°	0.6	0.9	20.5	47.7	57.2
127.5°	0.6	0.6	13.3	39.3	48.0
130°	0.6	0.6	6.4	31.2	39.6
132.5°	0.6	0.6	0.3	22.8	30.9
135°	0.6	0.3	0.3	15.0	22.3
137.5°	0.6	0.3	0.0	7.2	14.5
140°	0.6	0.3	0.0	0.0	5.8
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)