

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: P290449

Luminaire Tested: **4SSRK-SLW-30-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290449  
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-L835-CD1-U  
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 80 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2933.2 lumens  
Efficiency: N/A  
Efficacy: 143.8 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

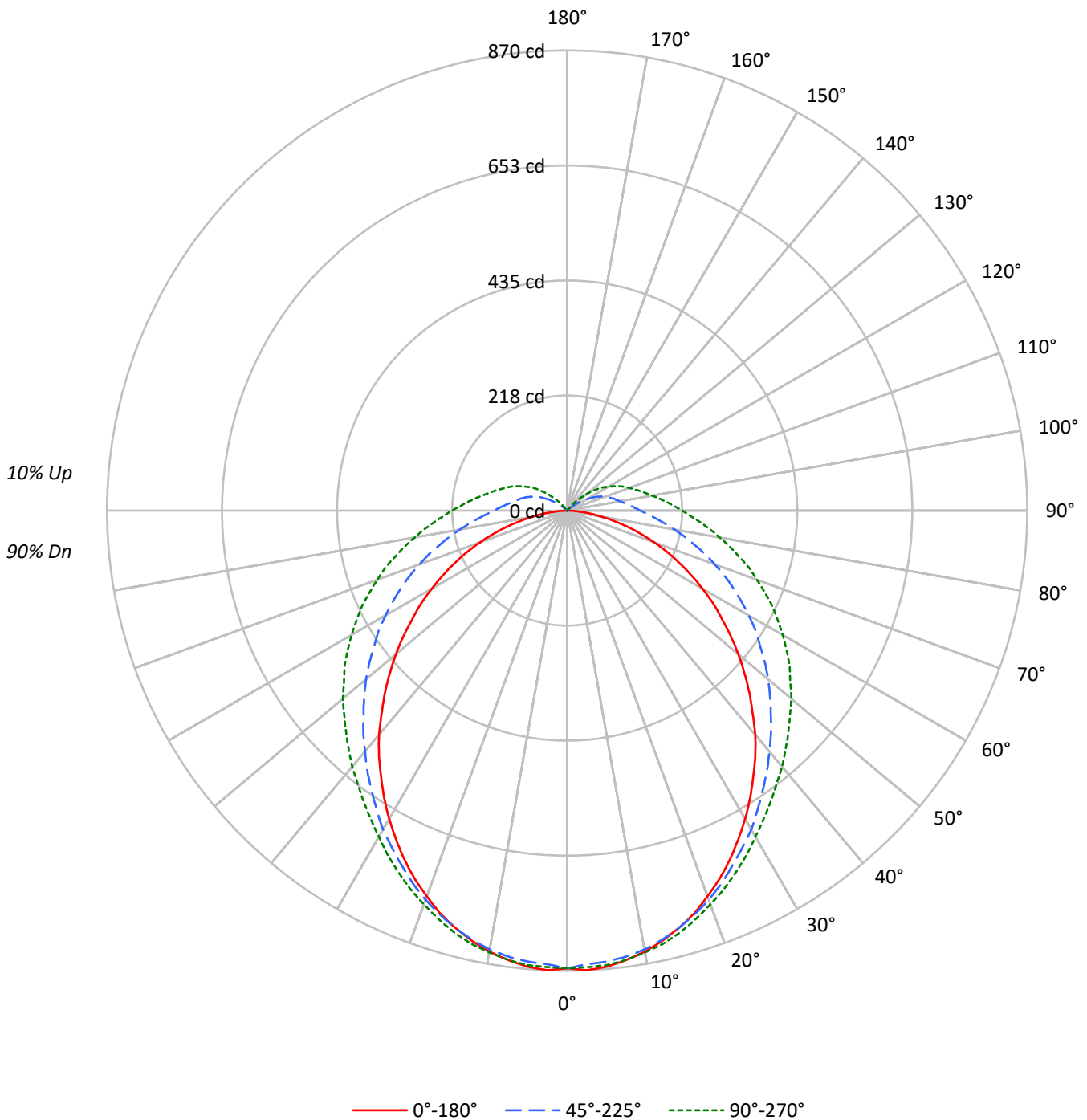
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	26	21	20

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

	0°	45°	90°
0°	55890	55890	55890
5°	55900	44389	41420
10°	55128	36733	32618
15°	54009	30928	26644
20°	52529	26374	22175
25°	50895	22609	18762
30°	49002	19595	16044
35°	46990	16939	13921
40°	45079	14755	12231
45°	42727	12896	10803
50°	40461	11313	9641
55°	37971	9867	8615
60°	35563	8605	7672
65°	32854	7432	6830
70°	29583	6336	6011
75°	25331	5328	5270
80°	19885	4437	4595
85°	13001	3698	4003



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.8	2.8
10°-20°	231.3	7.9
20°-30°	342.2	11.7
30°-40°	404.1	13.8
40°-50°	420.1	14.3
50°-60°	396.1	13.5
60°-70°	337.6	11.5
70°-80°	255.3	8.7
80°-90°	172.3	5.9
90°-100°	118.3	4.0
100°-110°	84.8	2.9
110°-120°	54.4	1.9
120°-130°	27.8	0.9
130°-140°	7.1	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°	655.3	22.3
0°-40°	1059.4	36.1
0°-60°	1875.6	63.9
0°-90°	2640.8	90.0
90°-120°	257.6	8.8
90°-150°	292.5	10.0
90°-180°	292.0	10.0
0°-180°	2933.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	865	865	865	865	865	
5°	865	863	856	864	862	82
15°	817	819	817	825	826	230
25°	728	736	740	753	754	335
35°	613	628	645	664	671	384
45°	487	511	545	578	591	376
55°	357	394	445	493	514	321
65°	234	282	347	404	428	232
75°	117	174	249	313	336	125
85°	26	87	168	230	252	30
90°	0	62	138	197	218	2
95°	0	49	118	170	188	0
105°	1	31	89	128	143	1
115°	1	4	62	97	109	1
125°	1	1	26	60	72	1
135°	1	0	0	19	28	1
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°	865.4	865.4	865.4	865.4	865.4
2.5°	869.8	866.9	858.5	865.8	864.0
5°	865.4	863.2	855.9	864.0	862.5
7.5°	857.0	856.6	850.8	859.2	856.6
10°	846.8	847.1	842.4	850.8	848.2
12.5°	832.9	834.4	831.1	839.1	838.7
15°	816.8	819.4	816.8	824.9	825.6
17.5°	798.6	802.6	800.8	810.6	809.5
20°	775.9	781.4	782.9	792.7	792.4
22.5°	753.3	760.2	762.8	773.0	774.5
25°	728.1	736.5	740.1	752.9	754.4
27.5°	700.7	711.6	718.2	731.0	734.3
30°	672.9	684.6	696.3	709.1	712.0
32.5°	644.0	656.8	670.3	687.9	691.2
35°	613.4	628.0	644.8	664.1	671.1
37.5°	584.5	600.9	620.7	643.3	650.6
40°	553.4	570.2	594.7	620.3	632.0
42.5°	518.7	541.4	570.6	601.3	611.5
45°	487.3	511.4	544.7	578.3	591.4
47.5°	454.4	482.6	520.2	557.5	571.7
50°	422.7	453.3	496.1	536.3	553.4
52.5°	389.8	424.5	470.9	515.4	531.5
55°	357.3	394.2	445.3	493.2	513.6
57.5°	328.0	365.7	422.3	471.2	492.1
60°	295.2	338.6	396.4	449.0	470.9
62.5°	264.8	309.0	370.8	426.7	448.6
65°	234.2	281.7	346.7	404.0	428.1
67.5°	205.3	253.2	322.2	381.7	404.8
70°	174.6	226.5	297.0	358.4	381.7
72.5°	146.5	199.8	273.6	335.7	360.9
75°	117.3	174.3	249.1	312.7	336.4
77.5°	91.3	149.4	227.2	291.1	314.9
80°	66.1	126.8	205.3	269.6	292.6
82.5°	44.9	105.9	185.9	249.9	272.5
85°	25.9	87.3	168.0	230.1	252.4
87.5°	9.9	72.7	152.0	213.0	233.4
90°	0.4	61.7	138.1	196.9	217.7
92.5°	0.4	54.1	127.5	182.3	201.6
95°	0.4	49.0	117.6	169.5	188.5
97.5°	0.7	44.9	108.9	158.2	175.0
100°	0.7	40.9	101.6	147.2	163.3
102.5°	0.7	36.9	95.0	137.4	152.3
105°	0.7	31.4	89.1	128.2	142.8
107.5°	0.7	24.5	82.6	120.6	133.3
110°	0.7	17.9	75.6	112.9	125.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	11.0	69.4	105.2	117.3
115°	0.7	4.0	61.7	96.8	108.9
117.5°	0.7	1.5	52.6	88.8	99.4
120°	0.7	1.1	43.8	80.0	90.6
122.5°	0.7	1.1	34.7	70.5	81.8
125°	0.7	1.1	25.9	60.3	72.3
127.5°	0.7	0.7	16.8	49.7	60.6
130°	0.7	0.7	8.0	39.5	50.0
132.5°	0.7	0.7	0.4	28.9	39.1
135°	0.7	0.4	0.4	19.0	28.1
137.5°	0.7	0.4	0.0	9.1	18.3
140°	0.7	0.4	0.0	0.0	7.3
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)