

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: P290437

Luminaire Tested: **4SSRK-SLW-20-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290437  
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-20-L935-CD1-U  
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1629.4 lumens  
Efficiency: N/A  
Efficacy: 118.9 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

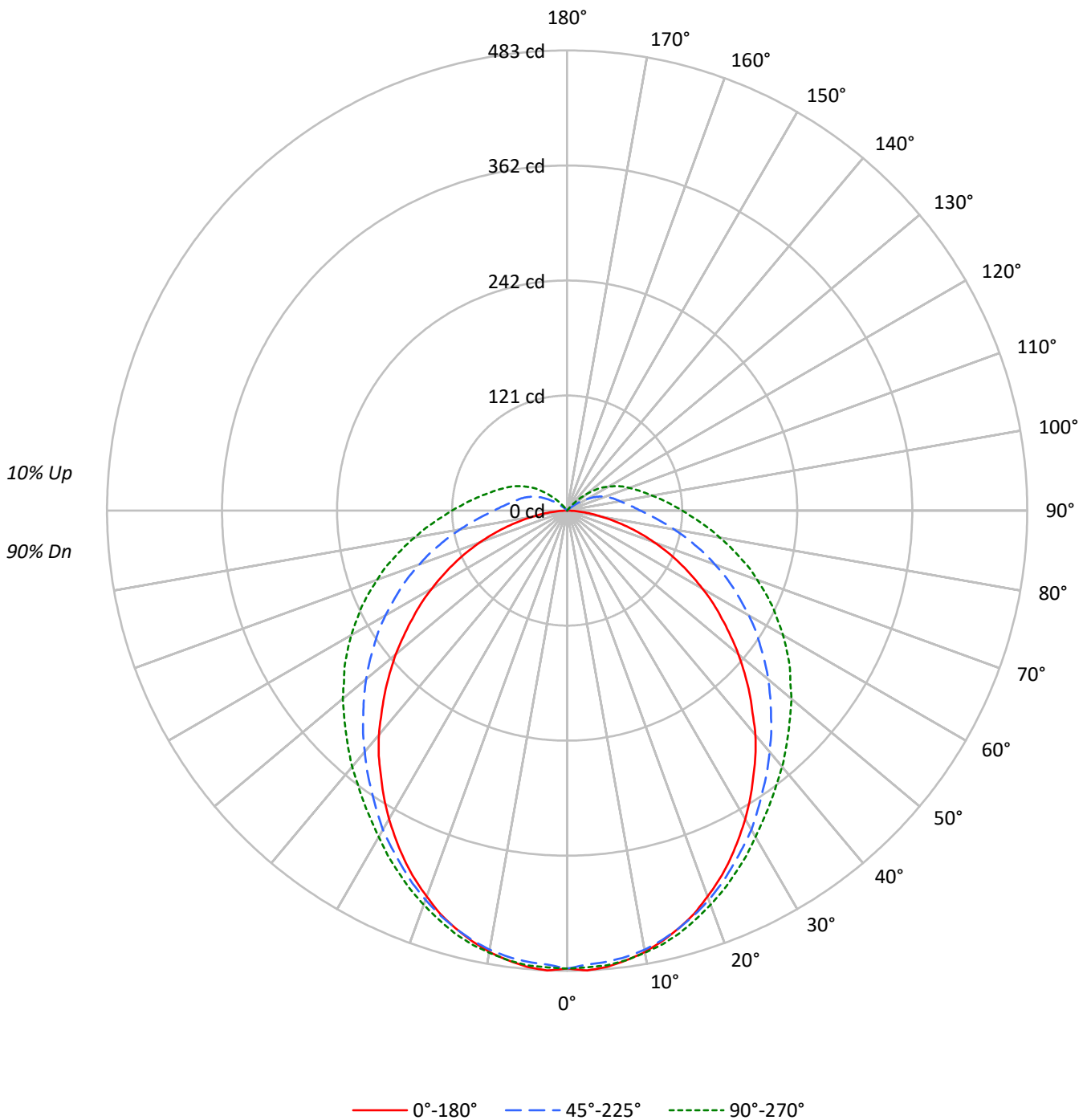
Input Watts (W): 13.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	31045	31045	31045
5°	31050	24661	23008
10°	30623	20407	18120
15°	30000	17179	14800
20°	29179	14651	12319
25°	28268	12559	10421
30°	27221	10885	8912
35°	26100	9410	7733
40°	25041	8197	6795
45°	23735	7164	6001
50°	22475	6285	5356
55°	21095	5482	4786
60°	19757	4780	4262
65°	18251	4129	3794
70°	16435	3520	3340
75°	14058	2960	2928
80°	11040	2464	2552
85°	7228	2054	2224



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.4	2.8
10°-20°	128.5	7.9
20°-30°	190.1	11.7
30°-40°	224.5	13.8
40°-50°	233.4	14.3
50°-60°	220.0	13.5
60°-70°	187.6	11.5
70°-80°	141.8	8.7
80°-90°	95.7	5.9
90°-100°	65.7	4.0
100°-110°	47.1	2.9
110°-120°	30.2	1.9
120°-130°	15.4	0.9
130°-140°	3.9	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°	364.0	22.3
0°-40°	588.5	36.1
0°-60°	1041.9	63.9
0°-90°	1467.0	90.0
90°-120°	143.1	8.8
90°-150°	162.5	10.0
90°-180°	162.0	9.9
0°-180°	1629.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	481	481	481	481	481	
5°	481	480	476	480	479	46
15°	454	455	454	458	459	128
25°	404	409	411	418	419	186
35°	341	349	358	369	373	213
45°	271	284	303	321	328	209
55°	198	219	247	274	285	178
65°	130	156	193	224	238	129
75°	65	97	138	174	187	70
85°	14	48	93	128	140	16
90°	0	34	77	109	121	1
95°	0	27	65	94	105	0
105°	0	18	50	71	79	0
115°	0	2	34	54	60	0
125°	0	1	14	34	40	0
135°	0	0	0	11	16	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°	480.7	480.7	480.7	480.7	480.7
2.5°	483.2	481.6	476.9	480.9	479.9
5°	480.7	479.5	475.5	479.9	479.1
7.5°	476.1	475.9	472.6	477.3	475.9
10°	470.4	470.6	468.0	472.6	471.2
12.5°	462.7	463.5	461.7	466.1	465.9
15°	453.7	455.2	453.7	458.2	458.6
17.5°	443.6	445.8	444.8	450.3	449.7
20°	431.0	434.1	434.9	440.4	440.2
22.5°	418.4	422.3	423.7	429.4	430.2
25°	404.4	409.1	411.1	418.2	419.0
27.5°	389.2	395.3	399.0	406.1	407.9
30°	373.8	380.3	386.8	393.9	395.5
32.5°	357.8	364.9	372.4	382.1	383.9
35°	340.7	348.8	358.2	368.9	372.8
37.5°	324.7	333.8	344.8	357.4	361.4
40°	307.4	316.8	330.4	344.6	351.1
42.5°	288.2	300.7	317.0	334.0	339.7
45°	270.7	284.1	302.6	321.2	328.5
47.5°	252.4	268.1	289.0	309.7	317.6
50°	234.8	251.8	275.6	297.9	307.4
52.5°	216.5	235.8	261.6	286.3	295.3
55°	198.5	219.0	247.4	274.0	285.3
57.5°	182.2	203.1	234.6	261.8	273.3
60°	164.0	188.1	220.2	249.4	261.6
62.5°	147.1	171.7	206.0	237.0	249.2
65°	130.1	156.5	192.6	224.4	237.8
67.5°	114.0	140.6	179.0	212.1	224.8
70°	97.0	125.8	165.0	199.1	212.1
72.5°	81.4	111.0	152.0	186.5	200.5
75°	65.1	96.8	138.4	173.7	186.9
77.5°	50.7	83.0	126.2	161.7	174.9
80°	36.7	70.4	114.0	149.8	162.5
82.5°	25.0	58.8	103.3	138.8	151.4
85°	14.4	48.5	93.3	127.8	140.2
87.5°	5.5	40.4	84.4	118.3	129.7
90°	0.2	34.3	76.7	109.4	120.9
92.5°	0.2	30.0	70.8	101.3	112.0
95°	0.2	27.2	65.3	94.2	104.7
97.5°	0.4	25.0	60.5	87.9	97.2
100°	0.4	22.7	56.4	81.8	90.7
102.5°	0.4	20.5	52.8	76.3	84.6
105°	0.4	17.5	49.5	71.2	79.3
107.5°	0.4	13.6	45.9	67.0	74.1
110°	0.4	9.9	42.0	62.7	69.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	6.1	38.6	58.4	65.1
115°	0.4	2.2	34.3	53.8	60.5
117.5°	0.4	0.8	29.2	49.3	55.2
120°	0.4	0.6	24.4	44.4	50.3
122.5°	0.4	0.6	19.3	39.2	45.5
125°	0.4	0.6	14.4	33.5	40.2
127.5°	0.4	0.4	9.3	27.6	33.7
130°	0.4	0.4	4.5	21.9	27.8
132.5°	0.4	0.4	0.2	16.0	21.7
135°	0.4	0.2	0.2	10.6	15.6
137.5°	0.4	0.2	0.0	5.1	10.1
140°	0.4	0.2	0.0	0.0	4.1
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)