

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: P290453

Luminaire Tested: **4SSRK-SLW-40-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290453  
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-40-L935-CD1-U  
Description: 4000 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: 3276.2 lumens  
Efficiency: N/A  
Efficacy: 118.3 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

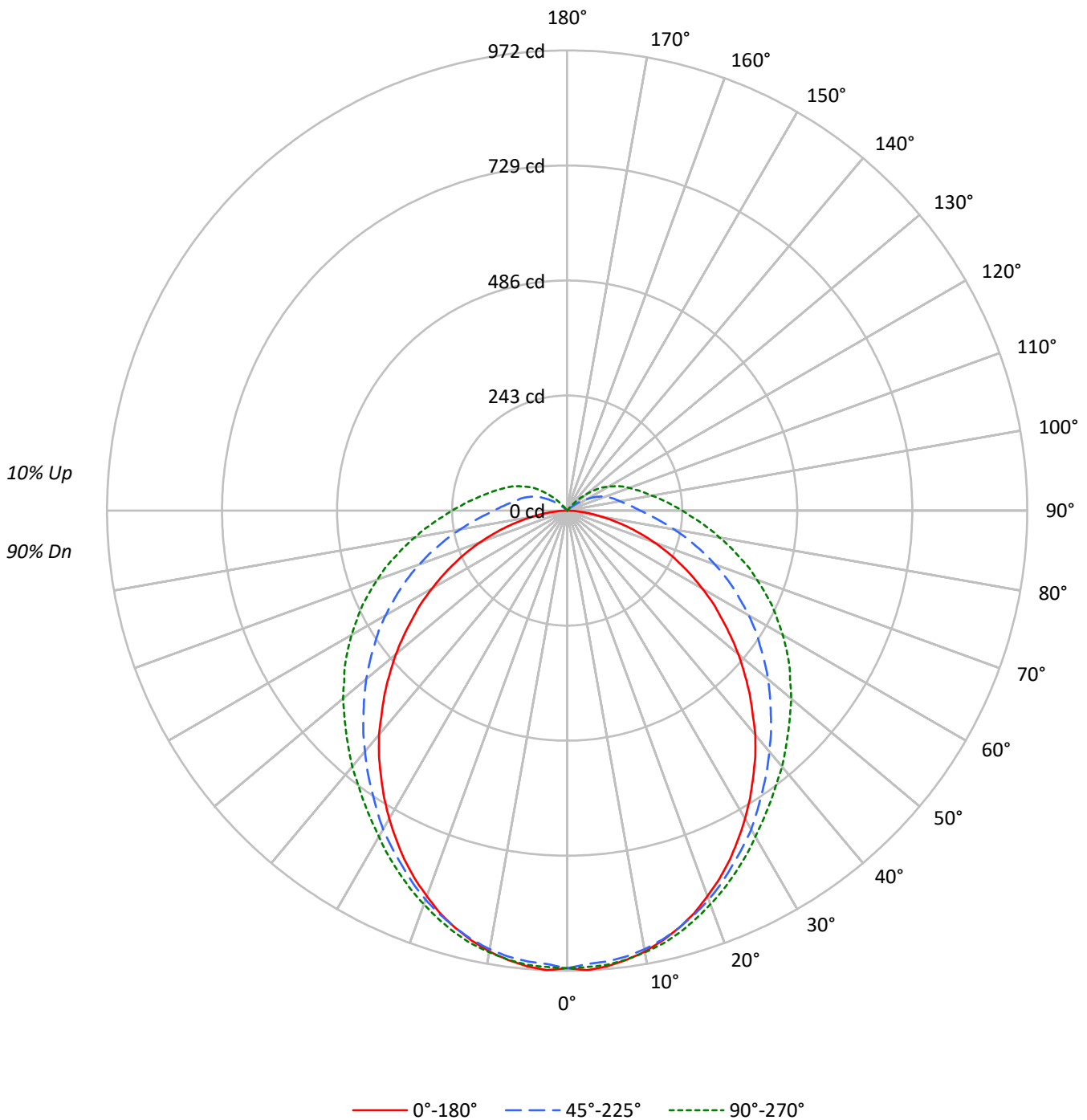
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	62426	62426	62426
5°	62437	49580	46261
10°	61573	41028	36433
15°	60324	34545	29758
20°	58670	29456	24767
25°	56844	25252	20953
30°	54733	21885	17919
35°	52483	18918	15547
40°	50350	16479	13661
45°	47725	14401	12067
50°	45189	12636	10769
55°	42403	11022	9623
60°	39719	9610	8568
65°	36684	8300	7630
70°	33039	7076	6715
75°	28289	5953	5887
80°	22231	4956	5132
85°	14557	4131	4471



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.3	2.8
10°-20°	258.3	7.9
20°-30°	382.2	11.7
30°-40°	451.4	13.8
40°-50°	469.2	14.3
50°-60°	442.4	13.5
60°-70°	377.1	11.5
70°-80°	285.2	8.7
80°-90°	192.4	5.9
90°-100°	132.1	4.0
100°-110°	94.7	2.9
110°-120°	60.8	1.9
120°-130°	31.0	0.9
130°-140°	7.9	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°	731.9	22.3
0°-40°	1183.2	36.1
0°-60°	2094.8	63.9
0°-90°	2949.5	90.0
90°-120°	287.6	8.8
90°-150°	326.6	10.0
90°-180°	327.0	10.0
0°-180°	3276.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	967	964	956	965	963	92
15°	912	915	912	921	922	257
25°	813	823	827	841	842	374
35°	685	701	720	742	750	429
45°	544	571	608	646	661	420
55°	399	440	497	551	574	358
65°	262	315	387	451	478	259
75°	131	195	278	349	376	140
85°	29	98	188	257	282	33
90°	0	69	154	220	243	2
95°	0	55	131	189	210	0
105°	1	35	100	143	160	1
115°	1	4	69	108	122	1
125°	1	1	29	67	81	1
135°	1	0	0	21	31	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°	966.6	966.6	966.6	966.6	966.6
2.5°	971.5	968.2	958.8	967.0	965.0
5°	966.6	964.1	956.0	965.0	963.3
7.5°	957.2	956.8	950.3	959.6	956.8
10°	945.8	946.2	940.9	950.3	947.4
12.5°	930.3	931.9	928.2	937.2	936.8
15°	912.3	915.2	912.3	921.3	922.1
17.5°	891.9	896.4	894.4	905.4	904.2
20°	866.6	872.7	874.4	885.4	885.0
22.5°	841.3	849.1	851.9	863.4	865.0
25°	813.2	822.6	826.6	840.9	842.5
27.5°	782.6	794.8	802.2	816.4	820.1
30°	751.6	764.6	777.7	792.0	795.2
32.5°	719.3	733.6	748.7	768.3	772.0
35°	685.1	701.4	720.1	741.8	749.5
37.5°	652.8	671.2	693.2	718.5	726.7
40°	618.1	636.9	664.2	692.8	705.9
42.5°	579.4	604.7	637.3	671.6	683.0
45°	544.3	571.2	608.3	645.9	660.6
47.5°	507.6	539.0	581.0	622.6	638.5
50°	472.1	506.3	554.1	599.0	618.1
52.5°	435.4	474.1	525.9	575.7	593.7
55°	399.0	440.2	497.4	550.8	573.7
57.5°	366.4	408.4	471.7	526.3	549.6
60°	329.7	378.2	442.7	501.4	525.9
62.5°	295.8	345.2	414.1	476.6	501.0
65°	261.5	314.6	387.2	451.3	478.2
67.5°	229.3	282.8	359.9	426.4	452.1
70°	195.0	253.0	331.7	400.3	426.4
72.5°	163.6	223.2	305.6	375.0	403.1
75°	131.0	194.6	278.3	349.3	375.8
77.5°	102.0	166.9	253.8	325.2	351.7
80°	73.9	141.6	229.3	301.1	326.8
82.5°	50.2	118.3	207.7	279.1	304.4
85°	29.0	97.5	187.7	257.0	281.9
87.5°	11.0	81.2	169.7	237.9	260.7
90°	0.4	69.0	154.2	219.9	243.2
92.5°	0.4	60.4	142.4	203.6	225.2
95°	0.4	54.7	131.4	189.3	210.5
97.5°	0.8	50.2	121.6	176.7	195.4
100°	0.8	45.7	113.4	164.4	182.4
102.5°	0.8	41.2	106.1	153.4	170.1
105°	0.8	35.1	99.6	143.2	159.5
107.5°	0.8	27.3	92.2	134.6	148.9
110°	0.8	20.0	84.5	126.1	139.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	12.2	77.5	117.5	131.0
115°	0.8	4.5	69.0	108.1	121.6
117.5°	0.8	1.6	58.8	99.1	111.0
120°	0.8	1.2	49.0	89.4	101.2
122.5°	0.8	1.2	38.8	78.7	91.4
125°	0.8	1.2	29.0	67.3	80.8
127.5°	0.8	0.8	18.8	55.5	67.7
130°	0.8	0.8	9.0	44.1	55.9
132.5°	0.8	0.8	0.4	32.2	43.7
135°	0.8	0.4	0.4	21.2	31.4
137.5°	0.8	0.4	0.0	10.2	20.4
140°	0.8	0.4	0.0	0.0	8.2
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)