

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: P290373

Luminaire Tested: **4SSRK-SLN-60-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290373  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-SLN-60-L935-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5354.8 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

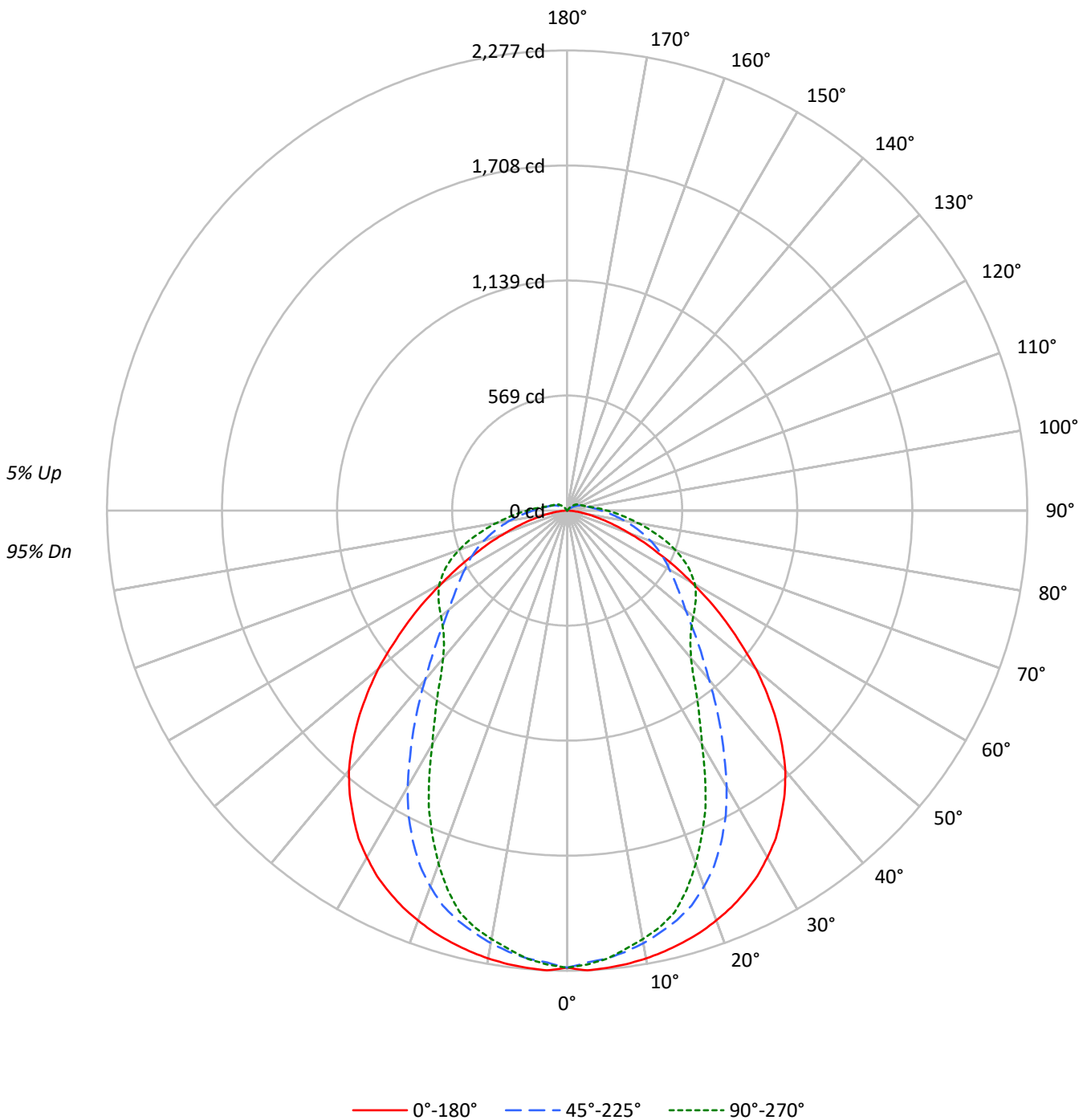
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26

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

	0°	45°	90°
0°	146074	146074	146074
5°	146739	115409	106954
10°	146477	94794	82815
15°	146284	79457	66384
20°	146133	66690	52061
25°	145646	55147	40295
30°	144297	44429	30069
35°	141369	34846	23189
40°	136819	27091	18449
45°	128286	21516	15786
50°	116779	17436	14196
55°	101969	14751	13033
60°	85704	12704	11903
65°	69860	11033	10551
70°	55336	9397	8953
75°	41808	7754	7230
80°	29211	6218	5585
85°	17066	4862	4249



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.4	4.0
10°-20°	595.4	11.1
20°-30°	837.2	15.6
30°-40°	876.7	16.4
40°-50°	793.7	14.8
50°-60°	675.6	12.6
60°-70°	534.2	10.0
70°-80°	363.7	6.8
80°-90°	207.5	3.9
90°-100°	115.1	2.1
100°-110°	70.3	1.3
110°-120°	42.7	0.8
120°-130°	23.2	0.4
130°-140°	7.0	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1644.9	30.7
0°-40°	2521.6	47.1
0°-60°	3990.9	74.5
0°-90°	5096.3	95.2
90°-120°	228.1	4.3
90°-150°	258.5	4.8
90°-180°	258.0	4.8
0°-180°	5354.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2262	2262	2262	2262	2262	
5°	2272	2257	2225	2235	2227	216
15°	2212	2170	2098	2077	2057	625
25°	2084	1980	1805	1665	1620	960
35°	1845	1638	1326	1161	1118	1153
45°	1463	1162	909	861	864	1124
55°	960	732	666	742	777	858
65°	498	432	515	628	661	502
75°	194	236	362	445	462	211
85°	34	112	221	264	268	41
90°	1	78	169	197	197	2
95°	1	60	133	147	146	1
105°	1	36	89	93	89	1
115°	1	5	60	70	68	1
125°	1	1	27	48	51	1
135°	1	1	1	20	26	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°	2261.8	2261.8	2261.8	2261.8	2261.8
2.5°	2277.2	2264.9	2238.9	2255.6	2248.2
5°	2271.7	2257.4	2225.3	2235.2	2227.1
7.5°	2263.0	2243.8	2202.4	2205.5	2190.0
10°	2250.0	2225.3	2173.9	2168.4	2153.5
12.5°	2233.3	2199.3	2137.4	2130.0	2112.7
15°	2212.3	2170.2	2098.4	2076.8	2057.0
17.5°	2188.8	2135.6	2048.3	2000.1	1966.1
20°	2158.5	2091.0	1979.7	1909.8	1860.3
22.5°	2124.4	2042.8	1902.3	1797.2	1740.9
25°	2083.6	1980.3	1805.2	1665.4	1620.2
27.5°	2038.4	1915.3	1699.4	1536.1	1476.1
30°	1981.5	1833.0	1578.8	1403.7	1334.4
32.5°	1922.1	1744.6	1447.6	1271.3	1217.5
35°	1845.4	1637.6	1326.4	1160.6	1117.9
37.5°	1768.1	1523.1	1205.7	1061.6	1023.9
40°	1679.6	1407.4	1091.9	979.9	953.3
42.5°	1574.5	1289.9	995.4	911.3	902.0
45°	1463.1	1161.8	908.8	861.2	864.2
47.5°	1341.8	1045.5	830.2	820.9	836.4
50°	1220.0	937.2	764.6	790.6	814.8
52.5°	1084.5	832.7	712.7	765.9	795.0
55°	959.5	732.5	665.7	742.4	777.0
57.5°	835.2	647.1	624.8	718.2	754.7
60°	711.4	569.2	585.2	692.3	730.6
62.5°	603.8	494.9	550.6	663.2	696.6
65°	498.0	432.4	514.7	628.5	661.3
67.5°	410.2	376.8	478.8	587.1	616.8
70°	326.6	324.2	440.5	541.3	568.5
72.5°	254.9	276.5	400.3	493.7	519.7
75°	193.6	235.7	362.5	445.4	461.5
77.5°	141.7	197.3	324.2	396.6	407.7
80°	97.1	163.9	287.7	347.7	355.7
82.5°	61.2	135.5	252.4	303.8	309.3
85°	34.0	112.0	220.9	264.2	267.9
87.5°	13.0	92.2	192.4	229.5	232.6
90°	0.6	77.9	168.9	196.7	196.7
92.5°	0.6	68.1	149.7	170.7	172.0
95°	1.2	60.0	133.0	147.2	146.0
97.5°	1.2	54.4	117.5	129.3	125.6
100°	1.2	49.5	105.8	113.8	110.1
102.5°	1.2	43.9	96.5	101.5	97.1
105°	1.2	36.5	89.1	92.8	89.1
107.5°	1.2	29.1	81.0	86.0	82.3
110°	1.2	21.7	73.6	79.8	76.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	13.6	66.8	74.2	72.4
115°	1.2	4.9	60.0	69.9	68.1
117.5°	0.6	2.5	51.3	65.0	64.3
120°	0.6	1.9	43.3	60.6	60.6
122.5°	0.6	1.9	35.9	54.4	56.9
125°	0.6	1.2	27.2	48.3	51.3
127.5°	0.6	1.2	19.2	42.1	45.8
130°	0.6	1.2	9.9	34.6	39.6
132.5°	0.6	1.2	1.2	27.2	32.8
135°	1.2	1.2	1.2	19.8	26.0
137.5°	1.2	1.2	1.2	10.5	18.6
140°	1.2	1.2	0.6	0.6	8.7
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)