

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: P290464

Luminaire Tested: **4SSRK-SLW-60-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290464  
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-60-L830-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 80 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5813.3 lumens  
Efficiency: N/A  
Efficacy: 129.8 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

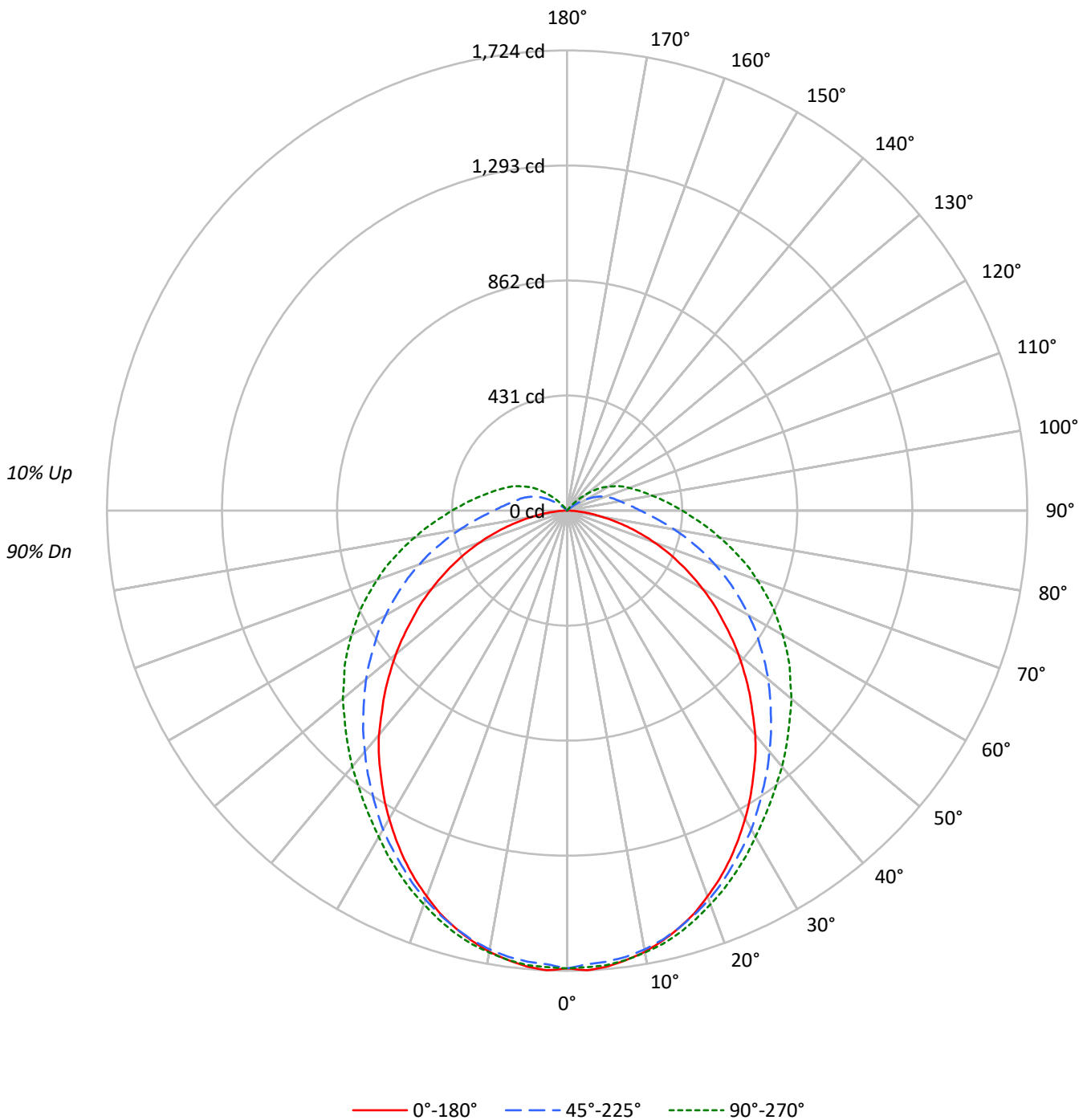
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	110766	110766	110766
5°	110786	87974	82087
10°	109252	72799	64648
15°	107040	61296	52804
20°	104111	52266	43945
25°	100861	44809	37181
30°	97116	38832	31798
35°	93123	33569	27589
40°	89352	29244	24239
45°	84682	25557	21411
50°	80185	22421	19110
55°	75252	19555	17074
60°	70476	17052	15204
65°	65105	14729	13538
70°	58640	12556	11916
75°	50187	10562	10446
80°	39409	8794	9106
85°	25800	7330	7935



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.1	2.8
10°-20°	458.4	7.9
20°-30°	678.2	11.7
30°-40°	800.9	13.8
40°-50°	832.6	14.3
50°-60°	785.0	13.5
60°-70°	669.1	11.5
70°-80°	506.0	8.7
80°-90°	341.4	5.9
90°-100°	234.4	4.0
100°-110°	168.1	2.9
110°-120°	107.9	1.9
120°-130°	55.0	0.9
130°-140°	14.0	0.2
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°	1298.6	22.3
0°-40°	2099.6	36.1
0°-60°	3717.1	63.9
0°-90°	5233.7	90.0
90°-120°	510.4	8.8
90°-150°	579.6	10.0
90°-180°	580.0	10.0
0°-180°	5813.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1715	1715	1715	1715	1715	
5°	1715	1711	1696	1712	1709	162
15°	1619	1624	1619	1635	1636	456
25°	1443	1460	1467	1492	1495	664
35°	1216	1244	1278	1316	1330	761
45°	966	1014	1080	1146	1172	745
55°	708	781	882	977	1018	635
65°	464	558	687	801	848	460
75°	232	345	494	620	667	248
85°	51	173	333	456	500	59
90°	1	122	274	390	432	3
95°	1	97	233	336	374	1
105°	1	62	177	254	283	1
115°	1	8	122	192	216	1
125°	1	2	51	120	143	1
135°	1	1	1	38	56	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°	1715.1	1715.1	1715.1	1715.1	1715.1
2.5°	1723.8	1718.0	1701.4	1715.9	1712.2
5°	1715.1	1710.8	1696.3	1712.2	1709.3
7.5°	1698.5	1697.8	1686.2	1702.8	1697.8
10°	1678.2	1678.9	1669.5	1686.2	1681.1
12.5°	1650.7	1653.6	1647.1	1663.0	1662.3
15°	1618.8	1623.9	1618.8	1634.8	1636.2
17.5°	1582.7	1590.6	1587.0	1606.5	1604.4
20°	1537.8	1548.6	1551.5	1571.1	1570.3
22.5°	1492.9	1506.6	1511.7	1532.0	1534.9
25°	1442.9	1459.6	1466.8	1492.2	1495.0
27.5°	1388.6	1410.3	1423.4	1448.7	1455.2
30°	1333.6	1356.8	1379.9	1405.3	1411.1
32.5°	1276.4	1301.7	1328.5	1363.3	1369.8
35°	1215.6	1244.5	1277.8	1316.2	1330.0
37.5°	1158.4	1191.0	1230.1	1275.0	1289.4
40°	1096.9	1130.2	1178.7	1229.3	1252.5
42.5°	1028.1	1073.0	1130.9	1191.7	1212.0
45°	965.8	1013.6	1079.5	1146.1	1172.1
47.5°	900.6	956.4	1031.0	1104.8	1133.1
50°	837.7	898.5	983.2	1062.8	1096.9
52.5°	772.5	841.3	933.2	1021.6	1053.4
55°	708.1	781.2	882.5	977.4	1017.9
57.5°	650.1	724.7	836.9	934.0	975.2
60°	585.0	671.1	785.5	889.8	933.2
62.5°	524.9	612.5	734.9	845.6	889.1
65°	464.1	558.2	687.1	800.7	848.5
67.5°	406.9	501.7	638.6	756.6	802.2
70°	346.1	448.9	588.6	710.2	756.6
72.5°	290.3	396.0	542.3	665.4	715.3
75°	232.4	345.3	493.8	619.7	666.8
77.5°	181.0	296.1	450.3	577.0	624.1
80°	131.0	251.2	406.9	534.3	579.9
82.5°	89.1	210.0	368.5	495.2	540.1
85°	51.4	173.0	333.0	456.1	500.3
87.5°	19.5	144.1	301.2	422.1	462.6
90°	0.7	122.4	273.7	390.2	431.5
92.5°	0.7	107.2	252.7	361.3	399.6
95°	0.7	97.0	233.1	335.9	373.6
97.5°	1.4	89.1	215.8	313.5	346.8
100°	1.4	81.1	201.3	291.8	323.6
102.5°	1.4	73.1	188.2	272.2	301.9
105°	1.4	62.3	176.7	254.1	283.1
107.5°	1.4	48.5	163.6	238.9	264.3
110°	1.4	35.5	149.9	223.7	248.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	21.7	137.6	208.5	232.4
115°	1.4	8.0	122.4	191.9	215.8
117.5°	1.4	2.9	104.3	175.9	196.9
120°	1.4	2.2	86.9	158.6	179.6
122.5°	1.4	2.2	68.8	139.7	162.2
125°	1.4	2.2	51.4	119.5	143.4
127.5°	1.4	1.4	33.3	98.5	120.2
130°	1.4	1.4	15.9	78.2	99.2
132.5°	1.4	1.4	0.7	57.2	77.5
135°	1.4	0.7	0.7	37.6	55.7
137.5°	1.4	0.7	0.0	18.1	36.2
140°	1.4	0.7	0.0	0.0	14.5
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)