

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: P289966

Luminaire Tested: **8SSRK-LW-60-L940-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289966  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-LW-60-L940-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4754.0 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

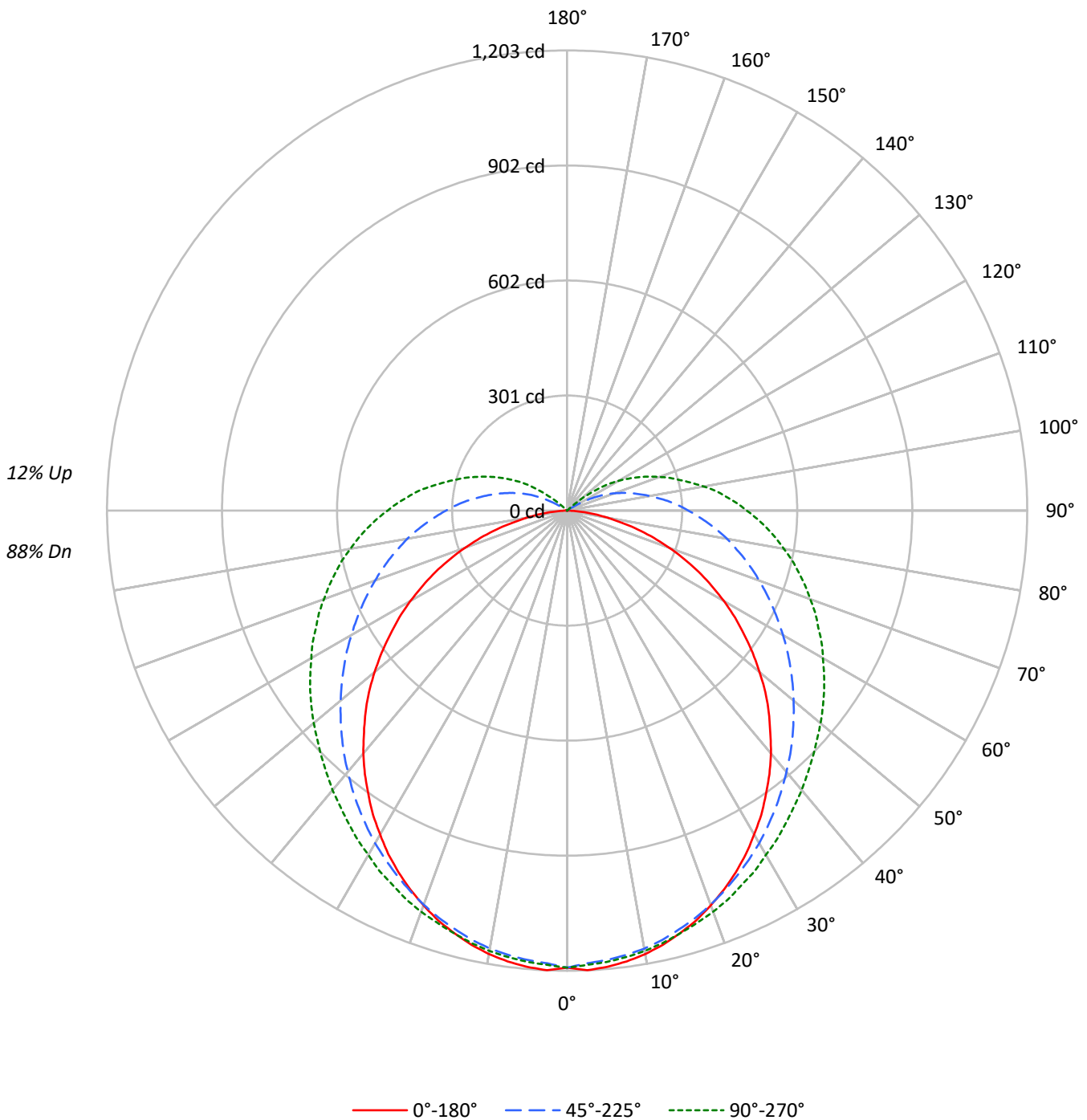
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88								
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67								
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54								
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44								
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37								
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32								
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28								
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24								
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21								
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19								
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17								

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

	0°	45°	90°
0°	38579	38579	38579
5°	38736	30620	28444
10°	38455	25392	22476
15°	38002	21501	18456
20°	37444	18519	15617
25°	36811	16125	13426
30°	36030	14175	11711
35°	35209	12516	10344
40°	34341	11103	9231
45°	33341	9902	8300
50°	32191	8849	7532
55°	30851	7921	6878
60°	29496	7104	6292
65°	27764	6374	5780
70°	25371	5724	5329
75°	22192	5139	4908
80°	17662	4613	4515
85°	11461	4080	4156



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.8	2.4
10°-20°	322.0	6.8
20°-30°	488.3	10.3
30°-40°	595.9	12.5
40°-50°	641.8	13.5
50°-60°	630.4	13.3
60°-70°	569.6	12.0
70°-80°	474.2	10.0
80°-90°	363.7	7.7
90°-100°	263.3	5.5
100°-110°	170.1	3.6
110°-120°	91.7	1.9
120°-130°	29.0	0.6
130°-140°	1.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	923.1	19.4
0°-40°	1519.1	32.0
0°-60°	2791.2	58.7
0°-90°	4198.7	88.3
90°-120°	525.1	11.0
90°-150°	555.2	11.7
90°-180°	555.0	11.7
0°-180°	4754.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1197	1193	1180	1188	1185	114
15°	1143	1141	1133	1146	1144	322
25°	1043	1044	1053	1075	1080	480
35°	906	918	950	987	997	567
45°	745	774	833	888	909	575
55°	564	620	712	791	820	506
65°	380	462	592	691	725	375
75°	192	318	478	589	627	203
85°	38	195	369	484	524	46
90°	1	146	317	430	469	2
95°	2	106	268	380	417	2
105°	2	38	175	273	307	3
115°	2	2	88	174	207	2
125°	1	1	1	70	99	1
135°	0	0	0	0	0	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°	1194.7	1194.7	1194.7	1194.7	1194.7
2.5°	1202.8	1197.8	1184.6	1192.8	1189.0
5°	1197.2	1192.8	1179.6	1188.4	1184.6
7.5°	1189.0	1184.6	1172.0	1180.8	1177.7
10°	1177.1	1172.7	1162.6	1171.4	1168.9
12.5°	1162.0	1158.8	1149.4	1160.1	1157.6
15°	1143.1	1140.6	1133.1	1145.6	1143.8
17.5°	1123.0	1120.5	1116.1	1129.3	1129.9
20°	1097.9	1097.3	1096.6	1113.6	1116.1
22.5°	1072.1	1072.7	1075.3	1096.0	1099.8
25°	1043.2	1044.5	1052.6	1075.3	1079.7
27.5°	1012.4	1016.8	1028.8	1055.1	1062.1
30°	977.9	985.4	1004.2	1031.9	1039.4
32.5°	943.9	952.1	977.2	1009.9	1020.0
35°	906.2	918.1	949.6	987.3	997.3
37.5°	868.5	882.3	921.3	962.1	974.7
40°	828.9	847.1	891.8	937.6	954.0
42.5°	786.2	811.9	863.5	912.5	930.7
45°	745.3	773.6	833.3	888.0	908.7
47.5°	703.2	737.2	803.1	864.1	886.1
50°	656.7	697.6	773.0	840.2	864.7
52.5°	611.5	659.9	742.8	815.7	842.7
55°	564.3	620.3	712.0	791.2	820.1
57.5°	520.3	580.0	682.5	765.4	796.2
60°	473.2	541.1	651.7	741.6	772.4
62.5°	425.5	502.1	621.5	715.8	750.4
65°	379.6	461.9	592.0	691.3	724.6
67.5°	330.6	425.5	563.1	664.9	702.6
70°	284.1	387.7	534.2	639.8	676.8
72.5°	237.5	351.3	505.9	614.6	652.3
75°	191.7	318.0	478.2	588.8	626.6
77.5°	145.8	282.8	450.0	563.1	602.7
80°	106.2	252.0	424.8	536.7	575.0
82.5°	72.3	223.1	396.5	511.5	550.5
85°	38.3	194.8	368.9	483.9	524.1
87.5°	11.3	169.7	341.9	456.9	497.1
90°	1.3	146.4	316.7	430.5	469.4
92.5°	1.9	126.3	292.9	406.6	444.3
95°	2.5	106.2	268.3	380.2	417.3
97.5°	2.5	88.6	243.2	353.2	392.8
100°	2.5	71.6	219.3	325.5	362.0
102.5°	2.5	55.9	196.7	297.9	333.7
105°	2.5	37.7	174.7	273.4	307.3
107.5°	2.5	18.9	153.3	249.5	282.8
110°	2.5	3.8	132.0	225.0	257.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	2.5	111.2	199.2	231.9
115°	1.9	1.9	88.0	174.1	206.8
117.5°	1.9	1.9	62.8	150.8	180.4
120°	1.9	1.3	36.4	126.3	155.9
122.5°	1.3	1.3	11.9	98.0	130.1
125°	1.3	0.6	0.6	69.8	99.3
127.5°	1.3	0.6	0.0	39.0	67.2
130°	1.3	0.6	0.0	11.3	38.3
132.5°	1.3	0.6	0.0	0.0	8.2
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)