

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: P289934

Luminaire Tested: **4SSRK-LW-60-L940-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289934  
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: 4SSRK-LW-60-L940-CD1-U  
Description: 6000 LUMEN, 4 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: 4793.4 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

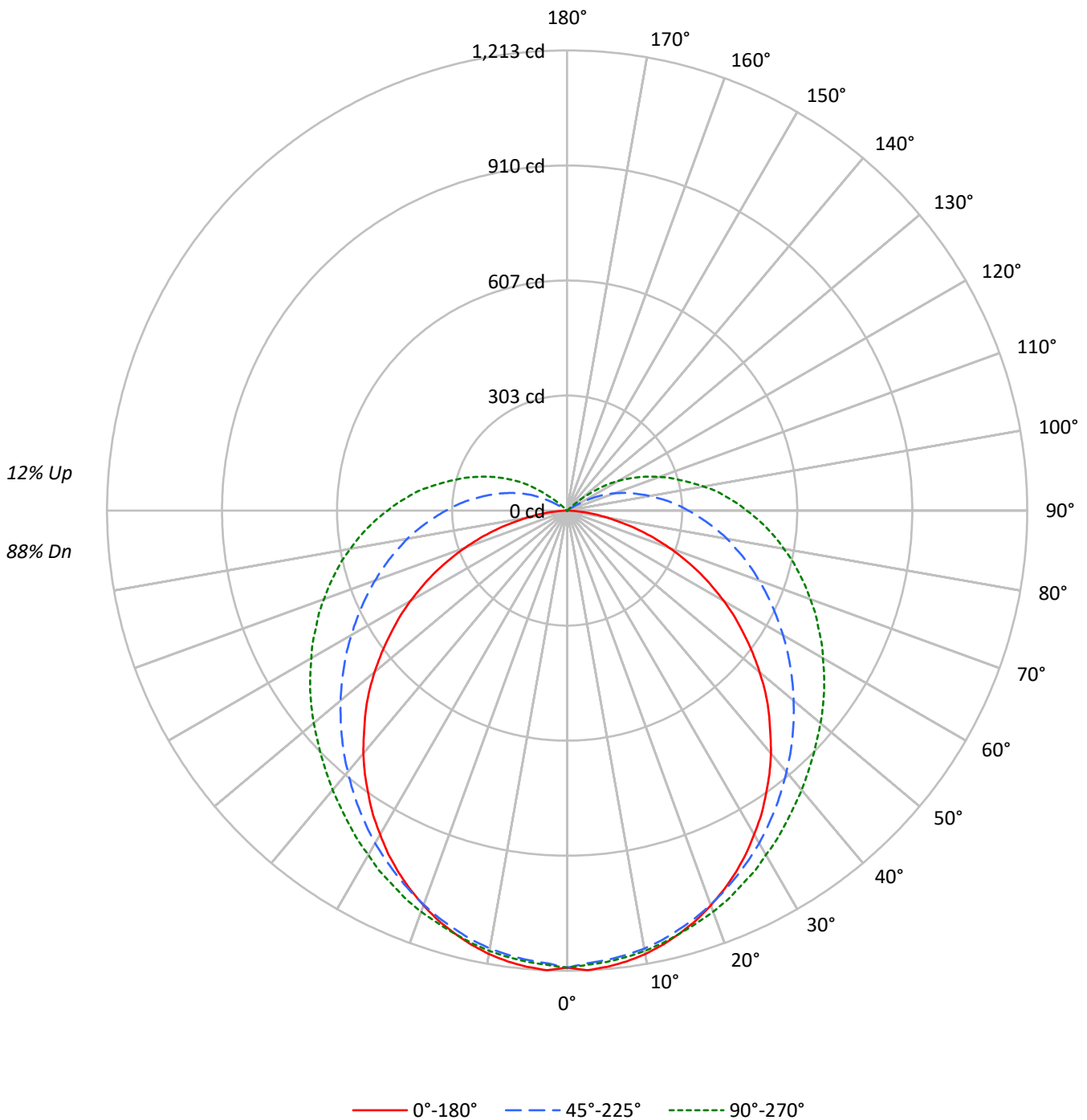
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	77797	77797	77797
5°	77972	61685	57359
10°	77262	51119	45324
15°	76213	43261	37220
20°	74945	37248	31494
25°	73529	32424	27074
30°	71803	28496	23618
35°	69995	25154	20859
40°	68083	22310	18615
45°	65892	19892	16738
50°	63386	17774	15190
55°	60469	15907	13870
60°	57477	14265	12688
65°	53686	12796	11657
70°	48525	11489	10747
75°	41743	10314	9898
80°	32219	9259	9104
85°	19425	8188	8382



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.8	2.4
10°-20°	324.7	6.8
20°-30°	492.4	10.3
30°-40°	600.9	12.5
40°-50°	647.2	13.5
50°-60°	635.6	13.3
60°-70°	574.3	12.0
70°-80°	478.1	10.0
80°-90°	366.7	7.7
90°-100°	265.5	5.5
100°-110°	171.5	3.6
110°-120°	92.4	1.9
120°-130°	29.3	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°	930.8	19.4
0°-40°	1531.7	32.0
0°-60°	2814.4	58.7
0°-90°	4233.6	88.3
90°-120°	529.5	11.0
90°-150°	559.8	11.7
90°-180°	560.0	11.7
0°-180°	4793.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1205	1205	1205	1205	1205	
5°	1207	1203	1189	1198	1194	115
15°	1153	1150	1142	1155	1153	325
25°	1052	1053	1061	1084	1089	484
35°	914	926	958	996	1006	572
45°	752	780	840	895	916	579
55°	569	625	718	798	827	510
65°	383	466	597	697	731	378
75°	193	321	482	594	632	205
85°	39	196	372	488	528	46
90°	1	148	319	434	473	2
95°	2	107	271	383	421	2
105°	2	38	176	276	310	3
115°	2	2	89	176	208	2
125°	1	1	1	70	100	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°	1204.6	1204.6	1204.6	1204.6	1204.6
2.5°	1212.8	1207.7	1194.4	1202.7	1198.9
5°	1207.1	1202.7	1189.4	1198.2	1194.4
7.5°	1198.9	1194.4	1181.8	1190.6	1187.5
10°	1186.8	1182.4	1172.3	1181.1	1178.6
12.5°	1171.6	1168.5	1159.0	1169.7	1167.2
15°	1152.6	1150.1	1142.5	1155.2	1153.3
17.5°	1132.3	1129.8	1125.4	1138.7	1139.3
20°	1107.0	1106.4	1105.7	1122.8	1125.4
22.5°	1081.0	1081.7	1084.2	1105.1	1108.9
25°	1051.9	1053.1	1061.4	1084.2	1088.6
27.5°	1020.8	1025.3	1037.3	1063.9	1070.9
30°	986.0	993.6	1012.6	1040.5	1048.1
32.5°	951.8	960.0	985.3	1018.3	1028.4
35°	913.7	925.8	957.5	995.5	1005.6
37.5°	875.7	889.7	928.9	970.1	982.8
40°	835.8	854.2	899.2	945.4	961.9
42.5°	792.7	818.7	870.6	920.1	938.4
45°	751.5	780.0	840.2	895.4	916.3
47.5°	709.1	743.3	809.8	871.3	893.5
50°	662.2	703.4	779.4	847.2	871.9
52.5°	616.5	665.3	749.0	822.5	849.7
55°	569.0	625.4	717.9	797.8	826.9
57.5°	524.7	584.9	688.2	771.8	802.8
60°	477.1	545.6	657.1	747.7	778.8
62.5°	429.0	506.3	626.7	721.7	756.6
65°	382.7	465.7	596.9	697.0	730.6
67.5°	333.3	429.0	567.8	670.4	708.4
70°	286.4	391.0	538.6	645.1	682.4
72.5°	239.5	354.2	510.1	619.7	657.7
75°	193.3	320.6	482.2	593.7	631.8
77.5°	147.0	285.1	453.7	567.8	607.7
80°	107.1	254.1	428.4	541.1	579.8
82.5°	72.9	224.9	399.8	515.8	555.1
85°	38.7	196.4	372.0	487.9	528.5
87.5°	11.4	171.1	344.7	460.7	501.2
90°	1.3	147.6	319.4	434.1	473.3
92.5°	1.9	127.4	295.3	410.0	448.0
95°	2.5	107.1	270.6	383.4	420.7
97.5°	2.5	89.3	245.2	356.1	396.0
100°	2.5	72.2	221.1	328.2	365.0
102.5°	2.5	56.4	198.3	300.4	336.5
105°	2.5	38.0	176.2	275.6	309.9
107.5°	2.5	19.0	154.6	251.6	285.1
110°	2.5	3.8	133.1	226.8	259.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	2.5	112.2	200.9	233.8
115°	1.9	1.9	88.7	175.5	208.5
117.5°	1.9	1.9	63.4	152.1	181.9
120°	1.9	1.3	36.8	127.4	157.1
122.5°	1.3	1.3	12.0	98.9	131.2
125°	1.3	0.6	0.6	70.3	100.1
127.5°	1.3	0.6	0.0	39.3	67.8
130°	1.3	0.6	0.0	11.4	38.7
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)