

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: P289662

Luminaire Tested: **4SSRK-40-L940-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289662  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-40-L940-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3802.5 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

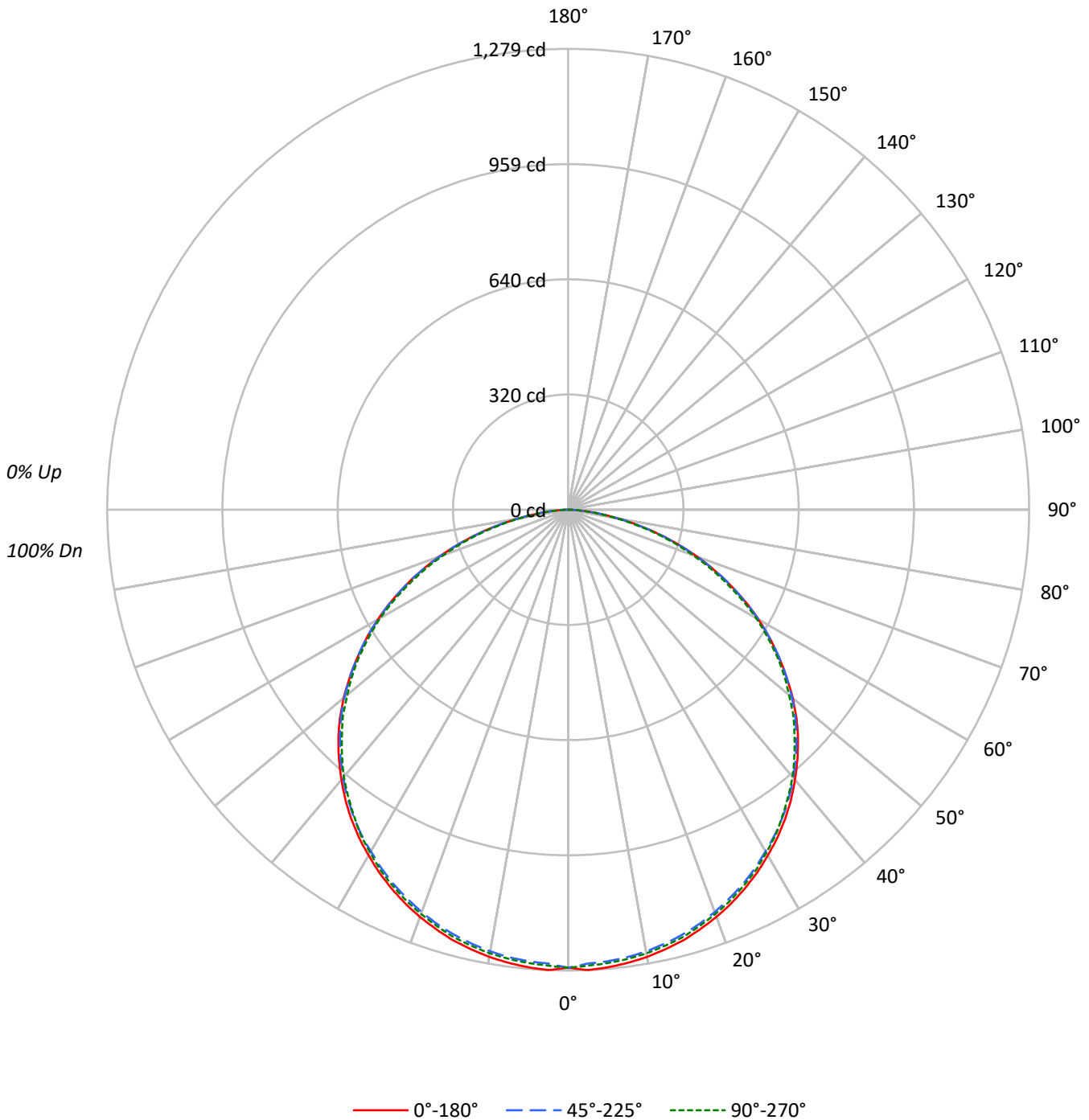
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23

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

	0°	45°	90°
0°	82098	82098	82098
5°	82332	65238	60668
10°	82053	54267	48082
15°	81794	46252	39637
20°	81424	40037	33411
25°	81065	35018	28643
30°	80672	30812	24767
35°	80322	27282	21498
40°	79724	24106	18747
45°	79070	21203	16221
50°	77840	18478	13936
55°	75815	15826	11846
60°	73500	13244	9811
65°	69818	10678	7748
70°	64638	8068	5785
75°	55866	5514	3915
80°	42868	3080	2114
85°	25599	1114	696



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.5	3.2
10°-20°	347.1	9.1
20°-30°	532.0	14.0
30°-40°	652.1	17.1
40°-50°	690.8	18.2
50°-60°	636.9	16.8
60°-70°	489.5	12.9
70°-80°	271.3	7.1
80°-90°	62.4	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	999.5	26.3
0°-40°	1651.6	43.4
0°-60°	2979.3	78.4
0°-90°	3802.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3802.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1275	1269	1258	1270	1263	121
15°	1237	1231	1222	1232	1228	349
25°	1160	1156	1146	1158	1152	535
35°	1048	1044	1038	1042	1036	656
45°	902	899	896	894	888	695
55°	713	719	714	711	706	638
65°	498	499	498	491	486	492
75°	259	259	258	254	250	274
85°	51	52	51	48	44	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1271.2	1271.2	1271.2	1271.2	1271.2
2.5°	1278.8	1272.5	1260.8	1272.5	1266.6
5°	1274.6	1269.2	1257.9	1270.0	1263.3
7.5°	1268.7	1264.1	1252.9	1264.6	1257.9
10°	1260.4	1255.4	1244.5	1257.0	1250.3
12.5°	1249.1	1244.5	1234.1	1245.8	1239.9
15°	1237.0	1231.1	1221.5	1232.4	1228.2
17.5°	1220.3	1215.7	1206.1	1216.5	1211.9
20°	1202.7	1198.1	1188.5	1198.9	1193.9
22.5°	1182.6	1178.1	1168.0	1179.3	1174.3
25°	1159.7	1155.5	1146.3	1158.0	1151.7
27.5°	1135.4	1132.1	1122.1	1131.7	1127.9
30°	1107.8	1105.8	1094.9	1102.4	1099.1
32.5°	1079.8	1076.1	1068.6	1074.4	1071.1
35°	1048.5	1043.5	1038.5	1042.2	1036.4
37.5°	1015.1	1011.7	1006.3	1009.6	1003.0
40°	978.7	975.8	971.6	972.4	968.7
42.5°	941.1	937.8	934.4	932.7	928.6
45°	901.8	898.9	895.6	894.3	888.0
47.5°	859.2	857.1	855.0	852.1	847.5
50°	813.2	814.1	810.3	807.8	799.9
52.5°	763.9	768.9	763.5	759.7	755.1
55°	713.4	718.8	714.2	711.3	706.2
57.5°	663.2	665.7	662.8	660.7	654.0
60°	610.1	612.2	610.1	605.5	602.2
62.5°	555.4	557.9	553.7	550.4	545.8
65°	497.7	499.0	498.1	491.4	485.6
67.5°	439.6	441.7	439.2	434.6	428.8
70°	381.5	380.3	378.2	374.9	367.3
72.5°	320.1	320.1	319.7	313.4	309.7
75°	258.7	259.1	257.8	253.7	249.9
77.5°	197.2	201.8	198.5	194.3	190.1
80°	142.5	145.4	142.5	137.1	134.6
82.5°	91.1	95.3	92.8	87.3	86.5
85°	51.0	51.8	50.6	48.1	43.9
87.5°	19.2	20.1	20.5	16.7	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)