

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: P289643

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-TB-40-L940-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3361.1 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

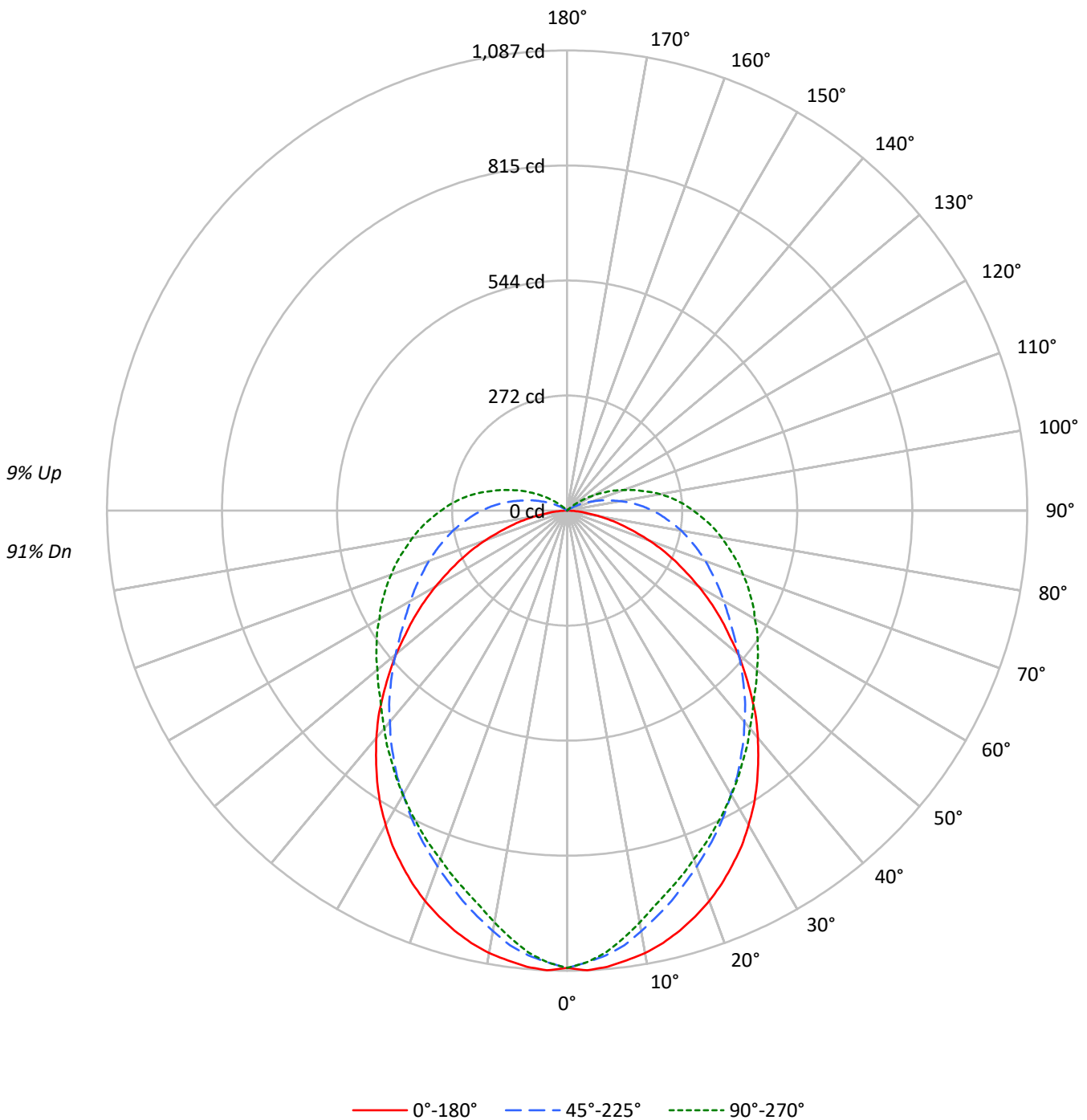
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91				
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71				
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58				
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48				
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41				
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35				
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31				
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27				
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24				
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22				
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20				

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

	0°	45°	90°
0°	69756	69756	69756
5°	69878	54694	50319
10°	69098	43981	38002
15°	67935	36131	29971
20°	66442	30140	24515
25°	64561	25563	20558
30°	62430	21778	17477
35°	59937	18768	14995
40°	57087	16162	13003
45°	53836	13973	11402
50°	50473	12064	10194
55°	46994	10479	9216
60°	43237	9267	8342
65°	39377	8277	7626
70°	34869	7402	6964
75°	29391	6622	6368
80°	23014	5918	5823
85°	14506	5203	5315



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.0	3.0
10°-20°	272.5	8.1
20°-30°	394.3	11.7
30°-40°	458.7	13.6
40°-50°	466.9	13.9
50°-60°	434.4	12.9
60°-70°	378.3	11.3
70°-80°	307.9	9.2
80°-90°	233.3	6.9
90°-100°	161.8	4.8
100°-110°	95.1	2.8
110°-120°	44.6	1.3
120°-130°	12.7	0.4
130°-140°	0.7	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°	766.8	22.8
0°-40°	1225.5	36.5
0°-60°	2126.9	63.3
0°-90°	3046.4	90.6
90°-120°	301.4	9.0
90°-150°	314.8	9.4
90°-180°	315.0	9.4
0°-180°	3361.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1082	1073	1055	1055	1048	103
15°	1027	1000	954	937	929	289
25°	924	883	837	830	827	425
35°	782	742	714	721	723	489
45°	614	590	590	614	624	474
55°	442	440	473	529	549	395
65°	281	304	386	454	478	278
75°	136	199	310	381	406	145
85°	29	124	236	311	335	33
90°	0	90	201	274	298	2
95°	0	58	165	238	262	0
105°	0	14	94	158	180	0
115°	0	0	37	87	106	0
125°	0	0	2	29	42	0
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°	2	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°	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1086.9	1081.8	1068.2	1073.3	1068.2
5°	1081.8	1073.3	1054.6	1054.6	1047.8
7.5°	1071.6	1061.4	1035.9	1027.4	1018.8
10°	1061.4	1046.1	1008.6	998.4	988.2
12.5°	1046.1	1023.9	981.4	966.1	955.9
15°	1027.4	1000.1	954.2	937.2	928.7
17.5°	1005.2	974.6	923.6	910.0	903.2
20°	981.4	945.7	894.7	882.8	876.0
22.5°	954.2	913.4	865.8	857.3	852.2
25°	923.6	882.8	836.8	830.0	826.6
27.5°	893.0	848.8	806.2	802.8	801.1
30°	857.3	814.7	773.9	775.6	775.6
32.5°	821.5	779.0	746.7	750.1	750.1
35°	782.4	741.6	714.4	721.2	722.9
37.5°	741.6	705.9	683.8	694.0	699.1
40°	700.8	668.5	651.4	666.8	671.9
42.5°	660.0	629.3	622.5	641.2	648.0
45°	614.0	590.2	590.2	614.0	624.2
47.5°	569.8	554.5	559.6	590.2	605.5
50°	527.3	515.4	529.0	568.1	585.1
52.5°	481.4	478.0	500.1	547.7	568.1
55°	442.2	440.5	472.9	529.0	549.4
57.5°	399.7	404.8	449.0	510.3	532.4
60°	358.9	369.1	426.9	491.6	512.0
62.5°	318.1	338.5	406.5	472.9	496.7
65°	280.7	304.5	386.1	454.1	478.0
67.5°	243.2	273.8	365.7	437.1	460.9
70°	205.8	246.6	347.0	418.4	442.2
72.5°	168.4	222.8	328.3	399.7	425.2
75°	136.1	199.0	309.6	381.0	406.5
77.5°	105.5	180.3	290.9	365.7	387.8
80°	76.5	159.9	273.8	347.0	370.8
82.5°	49.3	142.9	255.1	328.3	353.8
85°	28.9	124.2	236.4	311.3	335.1
87.5°	11.9	105.5	219.4	292.6	316.4
90°	0.0	90.1	200.7	273.8	297.7
92.5°	0.0	74.8	183.7	256.8	280.7
95°	0.0	57.8	165.0	238.1	261.9
97.5°	0.0	44.2	146.3	219.4	243.2
100°	0.0	34.0	127.6	197.3	222.8
102.5°	0.0	23.8	108.9	176.9	202.4
105°	0.0	13.6	93.6	158.2	180.3
107.5°	0.0	6.8	78.2	139.5	161.6
110°	0.0	1.7	62.9	120.8	141.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	49.3	103.8	124.2
115°	0.0	0.0	37.4	86.7	105.5
117.5°	0.0	0.0	25.5	71.4	88.4
120°	0.0	0.0	15.3	56.1	71.4
122.5°	0.0	0.0	6.8	42.5	56.1
125°	0.0	0.0	1.7	28.9	42.5
127.5°	0.0	0.0	0.0	17.0	28.9
130°	0.0	0.0	0.0	8.5	17.0
132.5°	0.0	0.0	0.0	1.7	6.8
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°	1.7	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)