

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-L930-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-L930-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3091.6 lumens  
Efficiency: N/A  
Efficacy: 111.6 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

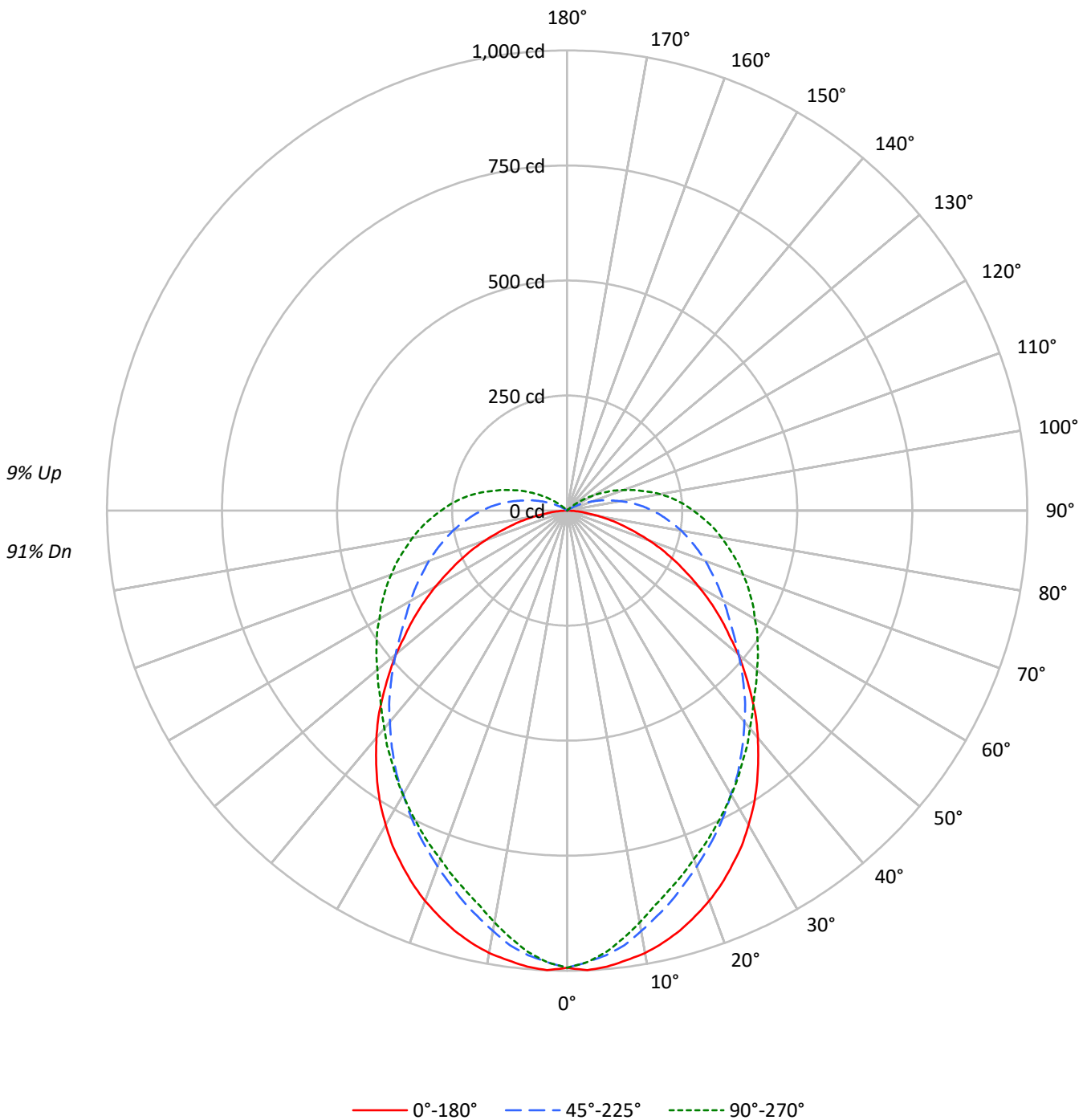
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	64163	64163	64163
5°	64271	50307	46280
10°	63558	40457	34957
15°	62486	33234	27567
20°	61114	27721	22548
25°	59381	23513	18909
30°	57420	20031	16076
35°	55134	17263	13792
40°	52509	14866	11960
45°	49522	12853	10489
50°	46424	11097	9377
55°	43232	9637	8476
60°	39768	8525	7672
65°	36207	7612	7014
70°	32073	6809	6407
75°	27037	6090	5858
80°	21179	5444	5356
85°	13352	4787	4888



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.0	3.0
10°-20°	250.7	8.1
20°-30°	362.7	11.7
30°-40°	421.9	13.6
40°-50°	429.4	13.9
50°-60°	399.6	12.9
60°-70°	347.9	11.3
70°-80°	283.2	9.2
80°-90°	214.6	6.9
90°-100°	148.8	4.8
100°-110°	87.4	2.8
110°-120°	41.0	1.3
120°-130°	11.7	0.4
130°-140°	0.6	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°	705.3	22.8
0°-40°	1127.2	36.5
0°-60°	1956.3	63.3
0°-90°	2802.0	90.6
90°-120°	277.2	9.0
90°-150°	289.6	9.4
90°-180°	290.0	9.4
0°-180°	3091.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	994	994	994	994	994	
5°	995	987	970	970	964	94
15°	945	920	878	862	854	266
25°	850	812	770	764	760	391
35°	720	682	657	663	665	450
45°	565	543	543	565	574	436
55°	407	405	435	487	505	363
65°	258	280	355	418	440	256
75°	125	183	285	350	374	134
85°	27	114	218	286	308	31
90°	0	83	185	252	274	2
95°	0	53	152	219	241	0
105°	0	12	86	146	166	0
115°	0	0	34	80	97	0
125°	0	0	2	27	39	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°	993.5	993.5	993.5	993.5	993.5
2.5°	999.7	995.0	982.5	987.2	982.5
5°	995.0	987.2	970.0	970.0	963.7
7.5°	985.6	976.3	952.8	945.0	937.1
10°	976.3	962.2	927.8	918.4	909.0
12.5°	962.2	941.8	902.7	888.6	879.3
15°	945.0	919.9	877.7	862.0	854.2
17.5°	924.6	896.5	849.5	837.0	830.8
20°	902.7	869.9	822.9	812.0	805.7
22.5°	877.7	840.1	796.3	788.5	783.8
25°	849.5	812.0	769.7	763.5	760.3
27.5°	821.4	780.7	741.6	738.4	736.9
30°	788.5	749.4	711.8	713.4	713.4
32.5°	755.7	716.5	686.8	689.9	689.9
35°	719.7	682.1	657.1	663.3	664.9
37.5°	682.1	649.3	628.9	638.3	643.0
40°	644.6	614.9	599.2	613.3	618.0
42.5°	607.0	578.9	572.6	589.8	596.1
45°	564.8	542.9	542.9	564.8	574.2
47.5°	524.1	510.0	514.7	542.9	557.0
50°	485.0	474.0	486.6	522.5	538.2
52.5°	442.8	439.6	460.0	503.8	522.5
55°	406.8	405.2	434.9	486.6	505.3
57.5°	367.7	372.4	413.0	469.4	489.7
60°	330.1	339.5	392.7	452.1	470.9
62.5°	292.6	311.3	373.9	434.9	456.8
65°	258.1	280.0	355.1	417.7	439.6
67.5°	223.7	251.9	336.4	402.1	424.0
70°	189.3	226.9	319.2	384.9	406.8
72.5°	154.9	205.0	301.9	367.7	391.1
75°	125.2	183.0	284.7	350.4	373.9
77.5°	97.0	165.8	267.5	336.4	356.7
80°	70.4	147.1	251.9	319.2	341.1
82.5°	45.4	131.4	234.7	301.9	325.4
85°	26.6	114.2	217.5	286.3	308.2
87.5°	11.0	97.0	201.8	269.1	291.0
90°	0.0	82.9	184.6	251.9	273.8
92.5°	0.0	68.8	169.0	236.2	258.1
95°	0.0	53.2	151.8	219.0	240.9
97.5°	0.0	40.7	134.5	201.8	223.7
100°	0.0	31.3	117.3	181.5	205.0
102.5°	0.0	21.9	100.1	162.7	186.2
105°	0.0	12.5	86.0	145.5	165.8
107.5°	0.0	6.3	72.0	128.3	148.6
110°	0.0	1.6	57.9	111.1	129.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	45.4	95.4	114.2
115°	0.0	0.0	34.4	79.8	97.0
117.5°	0.0	0.0	23.5	65.7	81.4
120°	0.0	0.0	14.1	51.6	65.7
122.5°	0.0	0.0	6.3	39.1	51.6
125°	0.0	0.0	1.6	26.6	39.1
127.5°	0.0	0.0	0.0	15.6	26.6
130°	0.0	0.0	0.0	7.8	15.6
132.5°	0.0	0.0	0.0	1.6	6.3
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°	1.6	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)