

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: P289748

Luminaire Tested: **4SSRK-TS-40-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-TS-40-L930-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2944.4 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

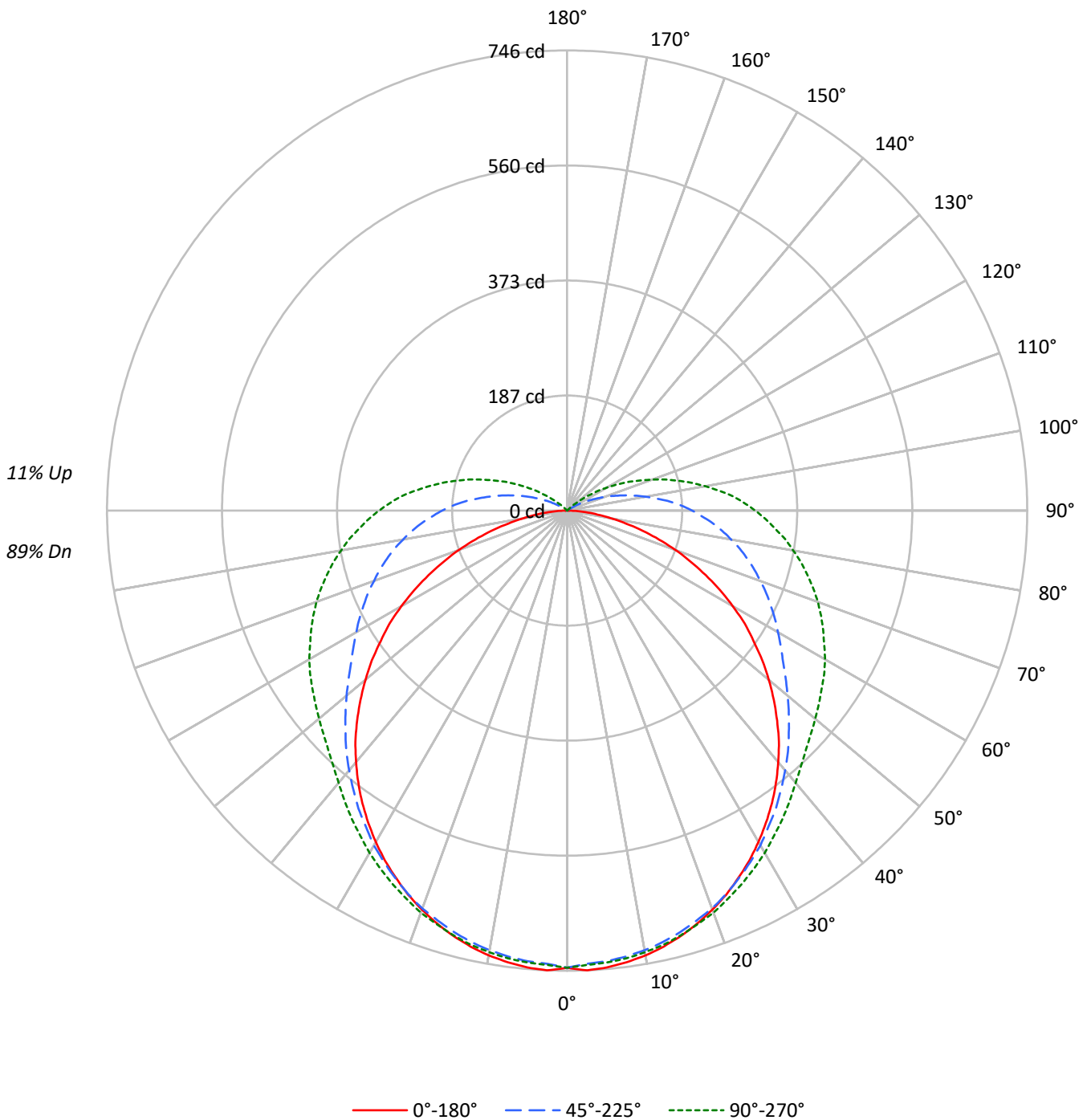
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	103	97	91	87	99	94	89	84	87	83	79	81	78	75	76	73	71	68				
2	93	83	75	68	89	80	73	67	75	68	63	70	65	60	65	61	57	54				
3	84	72	63	56	80	69	61	54	65	58	52	61	55	50	57	52	47	45				
4	76	63	54	46	73	61	52	45	57	50	44	53	47	42	50	45	40	37				
5	70	56	47	39	67	54	45	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	41	35	30	28				
7	60	46	36	30	57	44	36	29	42	34	28	39	33	28	37	31	27	24				
8	56	41	33	27	53	40	32	26	38	31	25	36	29	25	34	28	24	22				
9	52	38	29	24	50	37	29	23	35	28	23	33	27	22	31	26	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°	47862	47862	47862
5°	48019	38036	35312
10°	47673	31562	27954
15°	47199	26797	23000
20°	46612	23126	19416
25°	45918	20104	16626
30°	45179	17633	14440
35°	44347	15492	12639
40°	43369	13638	11151
45°	42201	12031	10007
50°	40844	10643	9148
55°	39215	9470	8452
60°	37370	8571	7866
65°	34776	7803	7304
70°	31718	7110	6810
75°	27469	6470	6317
80°	22081	5840	5843
85°	15059	5221	5372



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	2.4
10°-20°	200.9	6.8
20°-30°	305.0	10.4
30°-40°	370.8	12.6
40°-50°	395.8	13.4
50°-60°	388.1	13.2
60°-70°	354.6	12.0
70°-80°	300.9	10.2
80°-90°	234.2	8.0
90°-100°	165.1	5.6
100°-110°	98.1	3.3
110°-120°	46.5	1.6
120°-130°	13.5	0.5
130°-140°	0.8	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°	576.1	19.6
0°-40°	946.9	32.2
0°-60°	1730.7	58.8
0°-90°	2620.4	89.0
90°-120°	309.7	10.5
90°-150°	324.0	11.0
90°-180°	324.0	11.0
0°-180°	2944.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	743	741	733	738	735	71
15°	714	712	708	714	713	201
25°	657	657	658	668	668	303
35°	579	582	590	604	609	362
45°	481	489	508	535	548	371
55°	369	385	427	483	504	330
65°	248	280	364	434	458	246
75°	127	193	302	378	403	135
85°	30	123	237	312	339	34
90°	2	91	203	279	305	3
95°	2	61	167	241	270	2
105°	2	16	95	162	186	2
115°	2	2	39	89	110	2
125°	1	1	2	30	43	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°	741.1	741.1	741.1	741.1	741.1
2.5°	746.1	743.4	735.3	739.6	737.3
5°	743.4	740.7	733.4	737.7	735.3
7.5°	738.4	736.5	729.2	733.8	732.3
10°	732.3	730.4	723.8	729.2	726.9
12.5°	723.8	721.9	716.5	721.9	721.1
15°	713.8	712.3	707.7	713.8	712.7
17.5°	701.9	700.8	696.9	704.6	703.1
20°	688.5	687.7	686.5	693.4	693.8
22.5°	673.8	673.8	673.1	680.8	681.1
25°	656.9	657.3	658.1	668.5	668.5
27.5°	639.6	640.8	642.7	652.7	655.0
30°	620.4	622.3	626.6	637.3	640.8
32.5°	600.0	603.1	607.7	621.2	624.6
35°	578.9	582.0	589.7	604.3	609.3
37.5°	556.2	559.7	569.7	586.2	592.7
40°	532.4	536.2	549.7	570.4	576.2
42.5°	508.2	513.6	530.1	552.4	561.2
45°	481.3	489.3	508.2	535.1	547.8
47.5°	454.4	464.0	487.4	520.5	535.8
50°	426.7	437.4	466.7	507.4	525.1
52.5°	399.0	410.9	446.3	495.1	514.3
55°	369.0	384.8	427.4	483.2	503.9
57.5°	341.3	358.3	410.5	471.3	493.9
60°	310.2	331.7	394.8	459.0	482.8
62.5°	279.5	305.2	379.8	446.3	469.7
65°	247.9	279.8	364.0	433.6	457.8
67.5°	216.8	254.1	349.4	420.5	445.5
70°	187.2	231.8	333.3	407.1	432.4
72.5°	156.1	212.2	318.3	392.9	418.2
75°	127.2	193.0	302.5	377.5	403.2
77.5°	98.0	174.9	287.1	362.1	388.6
80°	73.4	158.0	270.2	346.0	372.1
82.5°	50.0	141.1	253.7	329.4	356.7
85°	30.0	123.0	237.2	312.5	338.7
87.5°	13.5	107.2	219.1	295.2	322.5
90°	2.3	91.1	202.6	278.7	304.8
92.5°	2.7	76.5	185.7	261.0	287.1
95°	2.3	61.1	167.2	241.4	269.5
97.5°	2.3	48.0	147.6	222.2	247.9
100°	1.9	35.7	128.8	201.8	227.2
102.5°	1.9	25.4	111.9	181.8	207.2
105°	1.9	16.5	95.3	161.8	186.4
107.5°	1.9	9.2	79.2	142.6	167.6
110°	1.9	3.5	64.6	125.3	146.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	1.5	50.4	106.1	127.6
115°	1.5	1.5	38.8	88.8	109.9
117.5°	1.5	1.2	26.5	72.7	91.9
120°	1.5	1.2	16.5	58.0	74.6
122.5°	1.2	0.8	8.1	43.1	59.6
125°	1.2	0.8	1.9	29.6	43.4
127.5°	1.2	0.4	0.0	17.7	30.0
130°	0.8	0.4	0.0	8.5	17.7
132.5°	0.8	0.4	0.0	1.5	7.7
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)