

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: P289924

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289924
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-40-L930-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2907.9 lumens
Efficiency: N/A
Efficacy: 105.0 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

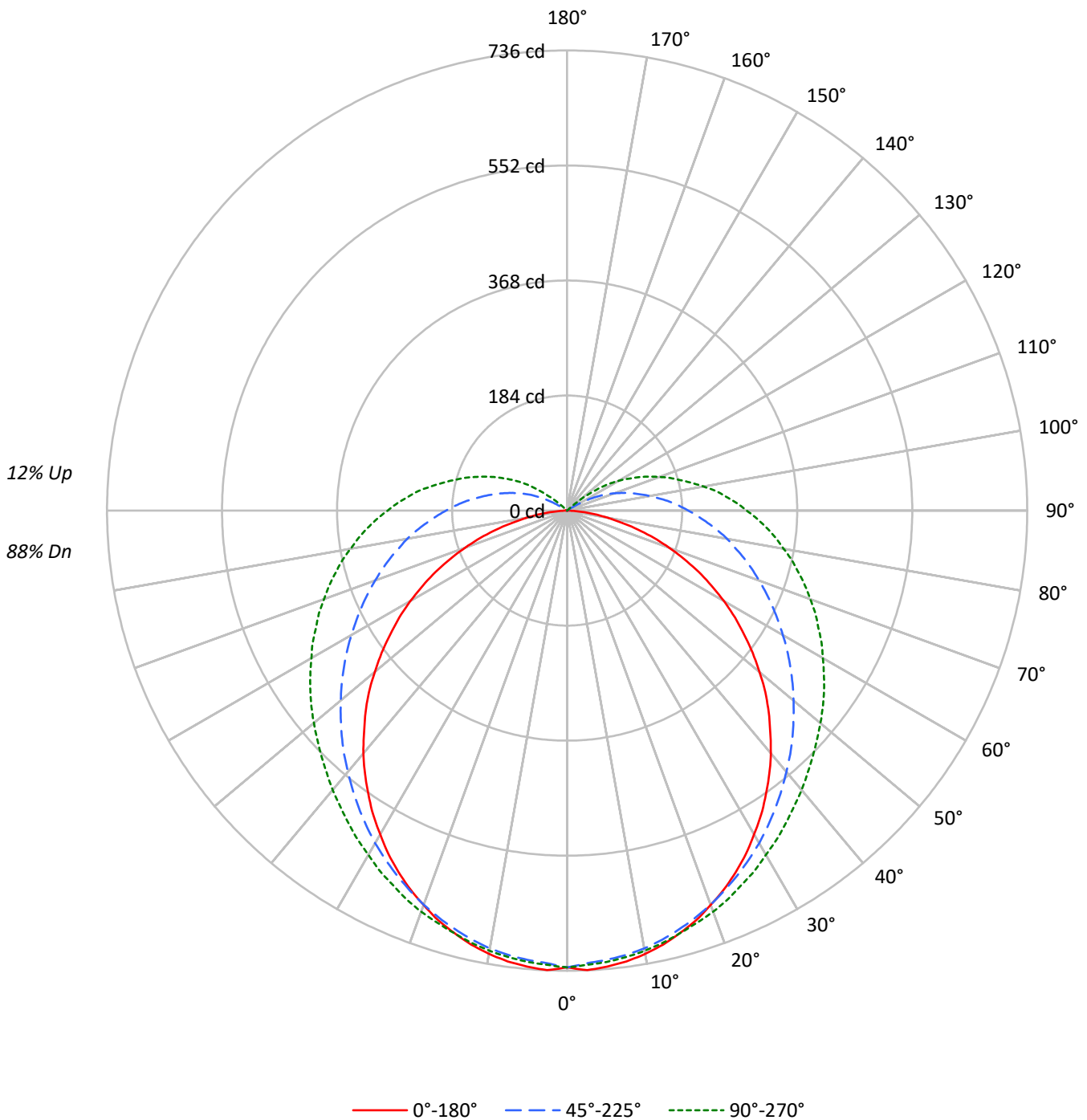
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	47191	47191	47191
5°	47302	37419	34798
10°	46873	31008	27496
15°	46233	26244	22578
20°	45461	22597	19105
25°	44604	19670	16424
30°	43555	17287	14327
35°	42463	15258	12653
40°	41300	13534	11292
45°	39974	12067	10153
50°	38451	10782	9215
55°	36685	9650	8414
60°	34877	8653	7696
65°	32573	7762	7071
70°	29430	6969	6520
75°	25309	6257	6003
80°	19554	5617	5523
85°	11746	4966	5085



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	2.4
10°-20°	197.0	6.8
20°-30°	298.7	10.3
30°-40°	364.5	12.5
40°-50°	392.6	13.5
50°-60°	385.6	13.3
60°-70°	348.4	12.0
70°-80°	290.0	10.0
80°-90°	222.5	7.7
90°-100°	161.1	5.5
100°-110°	104.0	3.6
110°-120°	56.1	1.9
120°-130°	17.8	0.6
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°	564.7	19.4
0°-40°	929.2	32.0
0°-60°	1707.3	58.7
0°-90°	2568.2	88.3
90°-120°	321.2	11.0
90°-150°	339.6	11.7
90°-180°	340.0	11.7
0°-180°	2907.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	731	731	731	731	731	
5°	732	730	722	727	725	70
15°	699	698	693	701	700	197
25°	638	639	644	658	660	294
35°	554	562	581	604	610	347
45°	456	473	510	543	556	352
55°	345	379	436	484	502	309
65°	232	282	362	423	443	229
75°	117	194	292	360	383	124
85°	23	119	226	296	321	28
90°	1	90	194	263	287	1
95°	2	65	164	233	255	1
105°	2	23	107	167	188	2
115°	1	1	54	106	126	1
125°	1	0	0	43	61	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°	730.7	730.7	730.7	730.7	730.7
2.5°	735.7	732.7	724.6	729.6	727.3
5°	732.3	729.6	721.5	726.9	724.6
7.5°	727.3	724.6	716.9	722.3	720.4
10°	720.0	717.3	711.1	716.5	715.0
12.5°	710.8	708.8	703.1	709.6	708.1
15°	699.2	697.7	693.1	700.8	699.6
17.5°	686.9	685.4	682.7	690.8	691.1
20°	671.5	671.2	670.8	681.2	682.7
22.5°	655.8	656.2	657.7	670.4	672.7
25°	638.1	638.9	643.9	657.7	660.4
27.5°	619.3	622.0	629.3	645.4	649.6
30°	598.1	602.7	614.3	631.2	635.8
32.5°	577.4	582.4	597.7	617.7	623.9
35°	554.3	561.6	580.8	603.9	610.0
37.5°	531.2	539.7	563.5	588.5	596.2
40°	507.0	518.2	545.5	573.5	583.5
42.5°	480.9	496.6	528.2	558.1	569.3
45°	455.9	473.2	509.7	543.2	555.8
47.5°	430.1	450.9	491.3	528.5	542.0
50°	401.7	426.7	472.8	513.9	528.9
52.5°	374.0	403.6	454.4	498.9	515.5
55°	345.2	379.4	435.5	484.0	501.6
57.5°	318.3	354.8	417.5	468.2	487.0
60°	289.5	331.0	398.6	453.6	472.4
62.5°	260.2	307.1	380.2	437.8	459.0
65°	232.2	282.5	362.1	422.8	443.2
67.5°	202.2	260.2	344.4	406.7	429.8
70°	173.7	237.2	326.7	391.3	414.0
72.5°	145.3	214.9	309.4	375.9	399.0
75°	117.2	194.5	292.5	360.2	383.2
77.5°	89.2	173.0	275.2	344.4	368.6
80°	65.0	154.1	259.9	328.3	351.7
82.5°	44.2	136.5	242.6	312.9	336.7
85°	23.4	119.2	225.6	296.0	320.6
87.5°	6.9	103.8	209.1	279.5	304.1
90°	0.8	89.6	193.7	263.3	287.1
92.5°	1.2	77.3	179.1	248.7	271.8
95°	1.5	65.0	164.1	232.6	255.2
97.5°	1.5	54.2	148.8	216.0	240.2
100°	1.5	43.8	134.2	199.1	221.4
102.5°	1.5	34.2	120.3	182.2	204.1
105°	1.5	23.1	106.9	167.2	188.0
107.5°	1.5	11.5	93.8	152.6	173.0
110°	1.5	2.3	80.7	137.6	157.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	1.5	68.0	121.9	141.8
115°	1.2	1.2	53.8	106.5	126.5
117.5°	1.2	1.2	38.4	92.3	110.3
120°	1.2	0.8	22.3	77.3	95.3
122.5°	0.8	0.8	7.3	60.0	79.6
125°	0.8	0.4	0.4	42.7	60.7
127.5°	0.8	0.4	0.0	23.8	41.1
130°	0.8	0.4	0.0	6.9	23.4
132.5°	0.8	0.4	0.0	0.0	5.0
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)