

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: P290445

Luminaire Tested: **4SSRK-SLW-30-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLW-30-L935-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2464.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

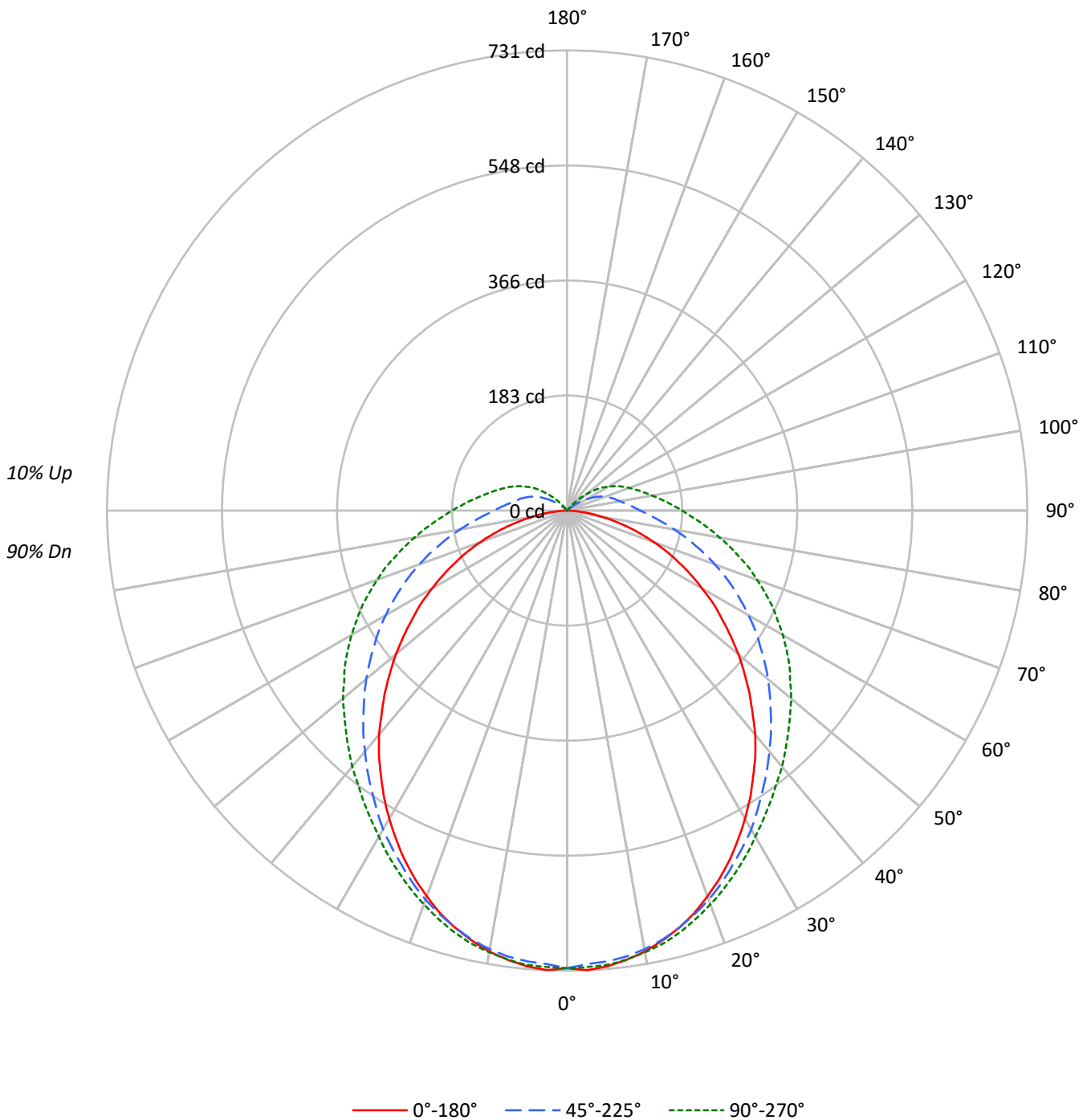
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46945	46945	46945
5°	46954	37289	34793
10°	46306	30855	27400
15°	45367	25979	22381
20°	44128	22153	18627
25°	42752	18992	15760
30°	41159	16460	13478
35°	39468	14228	11693
40°	37870	12395	10274
45°	35888	10831	9075
50°	33981	9503	8100
55°	31893	8289	7236
60°	29865	7227	6444
65°	27593	6242	5737
70°	24856	5322	5051
75°	21271	4477	4427
80°	16696	3728	3860
85°	10943	3108	3362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	2.8
10°-20°	194.3	7.9
20°-30°	287.4	11.7
30°-40°	339.5	13.8
40°-50°	352.9	14.3
50°-60°	332.7	13.5
60°-70°	283.6	11.5
70°-80°	214.5	8.7
80°-90°	144.7	5.9
90°-100°	99.4	4.0
100°-110°	71.3	2.9
110°-120°	45.7	1.9
120°-130°	23.3	0.9
130°-140°	5.9	0.2
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	550.4	22.3
0°-40°	889.9	36.1
0°-60°	1575.5	63.9
0°-90°	2218.3	90.0
90°-120°	216.3	8.8
90°-150°	245.6	10.0
90°-180°	246.0	10.0
0°-180°	2464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	727	727	727	727	727	
5°	727	725	719	726	724	69
15°	686	688	686	693	694	193
25°	612	619	622	632	634	281
35°	515	528	542	558	564	323
45°	409	430	458	486	497	316
55°	300	331	374	414	431	269
65°	197	237	291	339	360	195
75°	98	146	209	263	283	105
85°	22	73	141	193	212	25
90°	0	52	116	165	183	1
95°	0	41	99	142	158	0
105°	1	26	75	108	120	1
115°	1	3	52	81	91	1
125°	1	1	22	51	61	1
135°	1	0	0	16	24	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°	726.9	726.9	726.9	726.9	726.9
2.5°	730.6	728.2	721.1	727.3	725.7
5°	726.9	725.1	719.0	725.7	724.5
7.5°	719.9	719.6	714.7	721.7	719.6
10°	711.3	711.6	707.6	714.7	712.5
12.5°	699.6	700.9	698.1	704.9	704.5
15°	686.1	688.3	686.1	692.9	693.5
17.5°	670.8	674.2	672.6	680.9	680.0
20°	651.8	656.4	657.6	665.9	665.6
22.5°	632.7	638.6	640.7	649.3	650.5
25°	611.6	618.6	621.7	632.4	633.7
27.5°	588.6	597.8	603.3	614.0	616.8
30°	565.2	575.1	584.9	595.6	598.1
32.5°	541.0	551.7	563.1	577.8	580.6
35°	515.2	527.5	541.6	557.9	563.7
37.5°	491.0	504.8	521.4	540.4	546.5
40°	464.9	479.0	499.6	521.0	530.9
42.5°	435.7	454.8	479.3	505.1	513.7
45°	409.3	429.6	457.5	485.8	496.8
47.5°	381.7	405.4	437.0	468.3	480.2
50°	355.0	380.8	416.7	450.5	464.9
52.5°	327.4	356.6	395.5	433.0	446.5
55°	300.1	331.1	374.1	414.3	431.4
57.5°	275.6	307.2	354.7	395.8	413.3
60°	247.9	284.5	332.9	377.1	395.5
62.5°	222.5	259.6	311.5	358.4	376.8
65°	196.7	236.6	291.2	339.4	359.6
67.5°	172.5	212.7	270.6	320.7	340.0
70°	146.7	190.3	249.5	301.0	320.7
72.5°	123.1	167.9	229.8	282.0	303.2
75°	98.5	146.4	209.3	262.7	282.6
77.5°	76.7	125.5	190.9	244.6	264.5
80°	55.5	106.5	172.5	226.5	245.8
82.5°	37.7	89.0	156.2	209.9	228.9
85°	21.8	73.3	141.2	193.3	212.0
87.5°	8.3	61.1	127.7	178.9	196.1
90°	0.3	51.9	116.0	165.4	182.9
92.5°	0.3	45.4	107.1	153.1	169.4
95°	0.3	41.1	98.8	142.4	158.3
97.5°	0.6	37.7	91.4	132.9	147.0
100°	0.6	34.4	85.3	123.7	137.2
102.5°	0.6	31.0	79.8	115.4	128.0
105°	0.6	26.4	74.9	107.7	120.0
107.5°	0.6	20.6	69.3	101.3	112.0
110°	0.6	15.0	63.5	94.8	105.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	9.2	58.3	88.4	98.5
115°	0.6	3.4	51.9	81.3	91.4
117.5°	0.6	1.2	44.2	74.6	83.5
120°	0.6	0.9	36.8	67.2	76.1
122.5°	0.6	0.9	29.2	59.2	68.7
125°	0.6	0.9	21.8	50.6	60.8
127.5°	0.6	0.6	14.1	41.7	50.9
130°	0.6	0.6	6.8	33.1	42.0
132.5°	0.6	0.6	0.3	24.2	32.8
135°	0.6	0.3	0.3	16.0	23.6
137.5°	0.6	0.3	0.0	7.7	15.3
140°	0.6	0.3	0.0	0.0	6.1
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)