

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: P290436

Luminaire Tested: **4SSRK-SLW-20-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290436
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-20-L930-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1535.0 lumens
Efficiency: N/A
Efficacy: 112.0 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

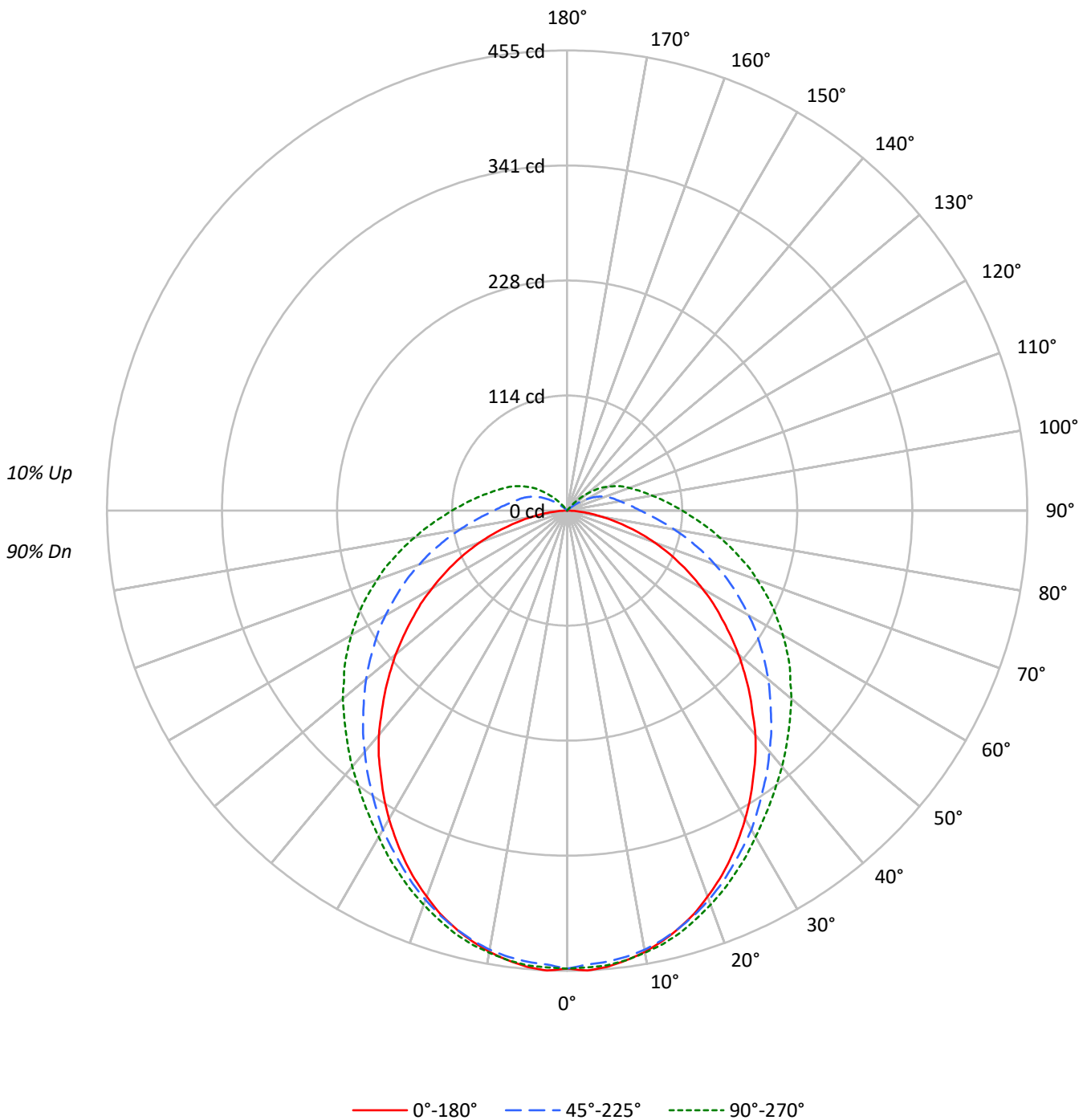
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	29250	29250	29250
5°	29255	23229	21678
10°	28846	19226	17071
15°	28268	16187	13945
20°	27493	13802	11605
25°	26632	11832	9819
30°	25641	10255	8396
35°	24591	8864	7285
40°	23591	7721	6400
45°	22359	6747	5654
50°	21173	5920	5045
55°	19873	5163	4509
60°	18613	4502	4014
65°	17184	3889	3576
70°	15486	3315	3147
75°	13259	2789	2759
80°	10409	2321	2404
85°	6827	1935	2095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	2.8
10°-20°	121.0	7.9
20°-30°	179.1	11.7
30°-40°	211.5	13.8
40°-50°	219.8	14.3
50°-60°	207.3	13.5
60°-70°	176.7	11.5
70°-80°	133.6	8.7
80°-90°	90.2	5.9
90°-100°	61.9	4.0
100°-110°	44.4	2.9
110°-120°	28.5	1.9
120°-130°	14.5	0.9
130°-140°	3.7	0.2
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°	342.9	22.3
0°-40°	554.4	36.1
0°-60°	981.5	63.9
0°-90°	1382.0	90.0
90°-120°	134.8	8.8
90°-150°	153.1	10.0
90°-180°	153.0	10.0
0°-180°	1535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	453	453	453	453	453	
5°	453	452	448	452	451	43
15°	428	429	428	432	432	120
25°	381	385	387	394	395	175
35°	321	329	337	348	351	201
45°	255	268	285	303	310	197
55°	187	206	233	258	269	168
65°	122	147	181	211	224	122
75°	61	91	130	164	176	66
85°	14	46	88	120	132	15
90°	0	32	72	103	114	1
95°	0	26	62	89	99	0
105°	0	16	47	67	75	0
115°	0	2	32	51	57	0
125°	0	1	14	32	38	0
135°	0	0	0	10	15	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°	452.9	452.9	452.9	452.9	452.9
2.5°	455.2	453.7	449.3	453.1	452.1
5°	452.9	451.7	447.9	452.1	451.4
7.5°	448.5	448.3	445.2	449.6	448.3
10°	443.1	443.3	440.9	445.2	443.9
12.5°	435.9	436.6	434.9	439.1	438.9
15°	427.5	428.8	427.5	431.7	432.1
17.5°	417.9	420.0	419.1	424.2	423.6
20°	406.1	408.9	409.7	414.9	414.7
22.5°	394.2	397.8	399.2	404.5	405.3
25°	381.0	385.4	387.3	394.0	394.8
27.5°	366.7	372.4	375.9	382.5	384.3
30°	352.1	358.3	364.4	371.1	372.6
32.5°	337.0	343.7	350.8	360.0	361.7
35°	321.0	328.6	337.4	347.6	351.2
37.5°	305.9	314.5	324.8	336.7	340.5
40°	289.6	298.4	311.2	324.6	330.7
42.5°	271.5	283.3	298.6	314.7	320.0
45°	255.0	267.6	285.0	302.6	309.5
47.5°	237.8	252.5	272.2	291.7	299.2
50°	221.2	237.2	259.6	280.6	289.6
52.5°	204.0	222.1	246.4	269.7	278.2
55°	187.0	206.3	233.0	258.1	268.8
57.5°	171.7	191.4	221.0	246.6	257.5
60°	154.5	177.2	207.4	235.0	246.4
62.5°	138.6	161.7	194.0	223.3	234.8
65°	122.5	147.4	181.4	211.4	224.1
67.5°	107.4	132.5	168.6	199.8	211.8
70°	91.4	118.5	155.4	187.5	199.8
72.5°	76.7	104.6	143.2	175.7	188.9
75°	61.4	91.2	130.4	163.6	176.1
77.5°	47.8	78.2	118.9	152.4	164.8
80°	34.6	66.3	107.4	141.1	153.1
82.5°	23.5	55.4	97.3	130.8	142.6
85°	13.6	45.7	87.9	120.4	132.1
87.5°	5.2	38.0	79.5	111.5	122.2
90°	0.2	32.3	72.3	103.0	113.9
92.5°	0.2	28.3	66.7	95.4	105.5
95°	0.2	25.6	61.6	88.7	98.6
97.5°	0.4	23.5	57.0	82.8	91.6
100°	0.4	21.4	53.1	77.0	85.5
102.5°	0.4	19.3	49.7	71.9	79.7
105°	0.4	16.4	46.6	67.1	74.7
107.5°	0.4	12.8	43.2	63.1	69.8
110°	0.4	9.4	39.6	59.1	65.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	5.7	36.3	55.1	61.4
115°	0.4	2.1	32.3	50.7	57.0
117.5°	0.4	0.8	27.5	46.5	52.0
120°	0.4	0.6	22.9	41.9	47.4
122.5°	0.4	0.6	18.2	36.9	42.8
125°	0.4	0.6	13.6	31.5	37.9
127.5°	0.4	0.4	8.8	26.0	31.7
130°	0.4	0.4	4.2	20.6	26.2
132.5°	0.4	0.4	0.2	15.1	20.5
135°	0.4	0.2	0.2	9.9	14.7
137.5°	0.4	0.2	0.0	4.8	9.6
140°	0.4	0.2	0.0	0.0	3.8
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)