

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: P290452

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290452
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-40-L930-CD1-U
Description: 4000 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: 3086.5 lumens
Efficiency: N/A
Efficacy: 111.4 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

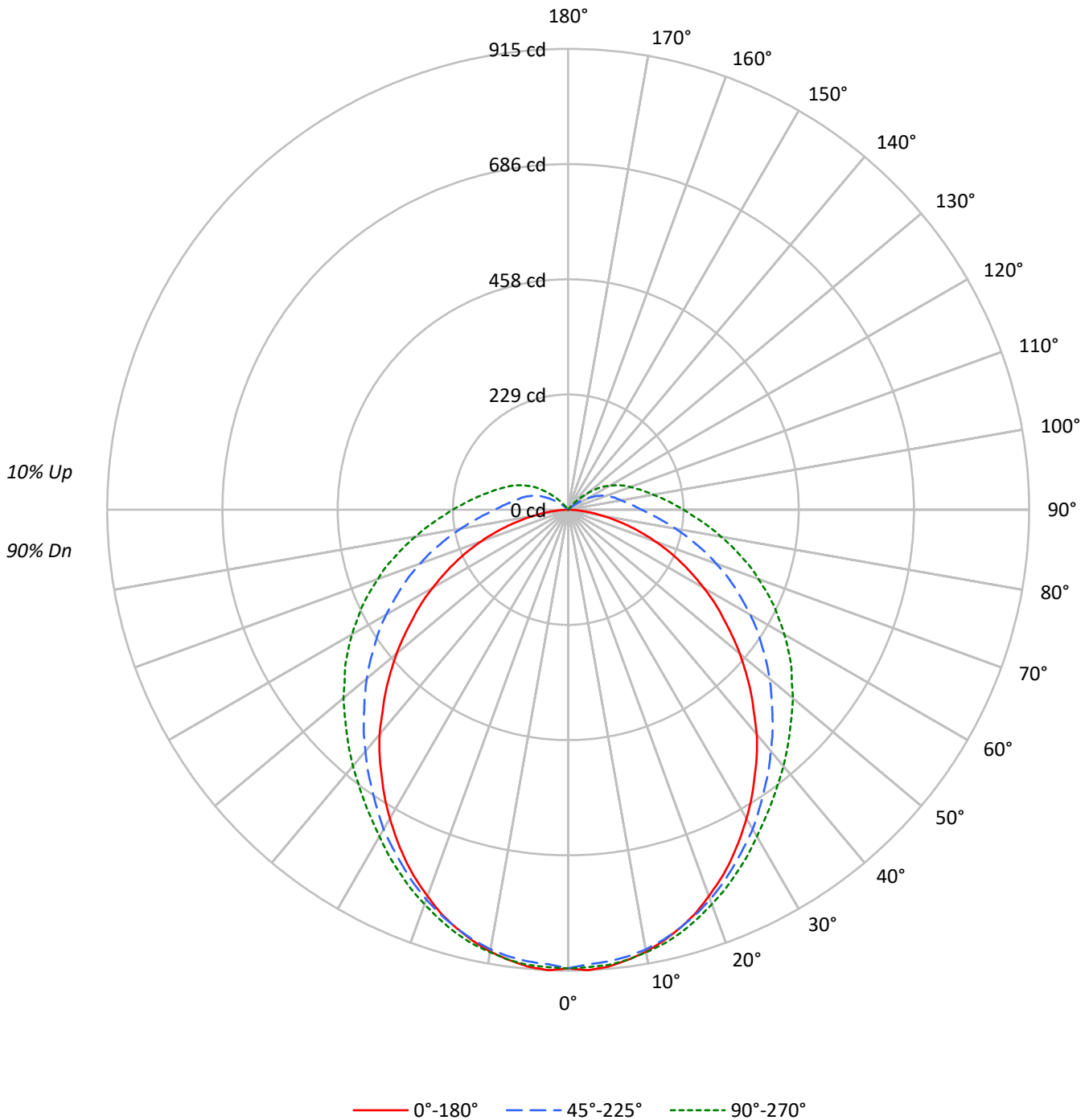
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58809	58809	58809
5°	58819	46707	43581
10°	58005	38652	34322
15°	56833	32545	28035
20°	55271	27748	23331
25°	53551	23791	19742
30°	51558	20616	16883
35°	49442	17822	14647
40°	47434	15526	12869
45°	44963	13568	11367
50°	42567	11904	10145
55°	39948	10383	9065
60°	37418	9055	8073
65°	34565	7820	7188
70°	31125	6666	6326
75°	26648	5606	5546
80°	20938	4668	4835
85°	13703	3892	4213



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	2.8
10°-20°	243.4	7.9
20°-30°	360.1	11.7
30°-40°	425.2	13.8
40°-50°	442.0	14.3
50°-60°	416.8	13.5
60°-70°	355.3	11.5
70°-80°	268.7	8.7
80°-90°	181.3	5.9
90°-100°	124.5	4.0
100°-110°	89.3	2.9
110°-120°	57.3	1.9
120°-130°	29.2	0.9
130°-140°	7.4	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°	689.5	22.3
0°-40°	1114.7	36.1
0°-60°	1973.5	63.9
0°-90°	2778.7	90.0
90°-120°	271.0	8.8
90°-150°	307.8	10.0
90°-180°	308.0	10.0
0°-180°	3086.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	911	911	911	911	911	
5°	911	908	901	909	908	86
15°	860	862	860	868	869	242
25°	766	775	779	792	794	352
35°	645	661	678	699	706	404
45°	513	538	573	608	622	396
55°	376	415	469	519	540	337
65°	246	296	365	425	450	244
75°	123	183	262	329	354	132
85°	27	92	177	242	266	31
90°	0	65	145	207	229	2
95°	0	52	124	178	198	0
105°	1	33	94	135	150	1
115°	1	4	65	102	114	1
125°	1	1	27	63	76	1
135°	1	0	0	20	30	1
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°	910.6	910.6	910.6	910.6	910.6
2.5°	915.2	912.1	903.3	911.0	909.1
5°	910.6	908.3	900.6	909.1	907.5
7.5°	901.8	901.4	895.2	904.1	901.4
10°	891.0	891.4	886.4	895.2	892.5
12.5°	876.4	877.9	874.5	882.9	882.5
15°	859.5	862.2	859.5	867.9	868.7
17.5°	840.3	844.5	842.6	852.9	851.8
20°	816.4	822.2	823.7	834.1	833.7
22.5°	792.6	799.9	802.6	813.4	814.9
25°	766.1	774.9	778.8	792.2	793.8
27.5°	737.2	748.8	755.7	769.2	772.6
30°	708.0	720.3	732.6	746.1	749.2
32.5°	677.7	691.1	705.3	723.8	727.3
35°	645.4	660.8	678.4	698.8	706.1
37.5°	615.0	632.3	653.1	676.9	684.6
40°	582.3	600.0	625.8	652.7	665.0
42.5°	545.8	569.7	600.4	632.7	643.5
45°	512.8	538.1	573.1	608.5	622.3
47.5°	478.2	507.8	547.4	586.6	601.6
50°	444.7	477.0	522.0	564.3	582.3
52.5°	410.1	446.7	495.5	542.4	559.3
55°	375.9	414.7	468.6	518.9	540.4
57.5°	345.2	384.8	444.3	495.9	517.8
60°	310.6	356.3	417.1	472.4	495.5
62.5°	278.7	325.2	390.1	449.0	472.0
65°	246.4	296.4	364.8	425.1	450.5
67.5°	216.0	266.4	339.0	401.7	425.9
70°	183.7	238.3	312.5	377.1	401.7
72.5°	154.1	210.3	287.9	353.2	379.8
75°	123.4	183.4	262.1	329.0	354.0
77.5°	96.1	157.2	239.1	306.4	331.3
80°	69.6	133.4	216.0	283.7	307.9
82.5°	47.3	111.5	195.7	262.9	286.7
85°	27.3	91.9	176.8	242.2	265.6
87.5°	10.4	76.5	159.9	224.1	245.6
90°	0.4	65.0	145.3	207.2	229.1
92.5°	0.4	56.9	134.1	191.8	212.2
95°	0.4	51.5	123.8	178.4	198.3
97.5°	0.8	47.3	114.5	166.4	184.1
100°	0.8	43.1	106.9	154.9	171.8
102.5°	0.8	38.8	99.9	144.5	160.3
105°	0.8	33.1	93.8	134.9	150.3
107.5°	0.8	25.8	86.9	126.8	140.3
110°	0.8	18.8	79.6	118.8	131.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	11.5	73.0	110.7	123.4
115°	0.8	4.2	65.0	101.9	114.5
117.5°	0.8	1.5	55.4	93.4	104.6
120°	0.8	1.2	46.1	84.2	95.3
122.5°	0.8	1.2	36.5	74.2	86.1
125°	0.8	1.2	27.3	63.4	76.1
127.5°	0.8	0.8	17.7	52.3	63.8
130°	0.8	0.8	8.5	41.5	52.7
132.5°	0.8	0.8	0.4	30.4	41.1
135°	0.8	0.4	0.4	20.0	29.6
137.5°	0.8	0.4	0.0	9.6	19.2
140°	0.8	0.4	0.0	0.0	7.7
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)