

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: P290365

Luminaire Tested: **4SSRK-SLN-40-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLN-40-L935-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3531.7 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

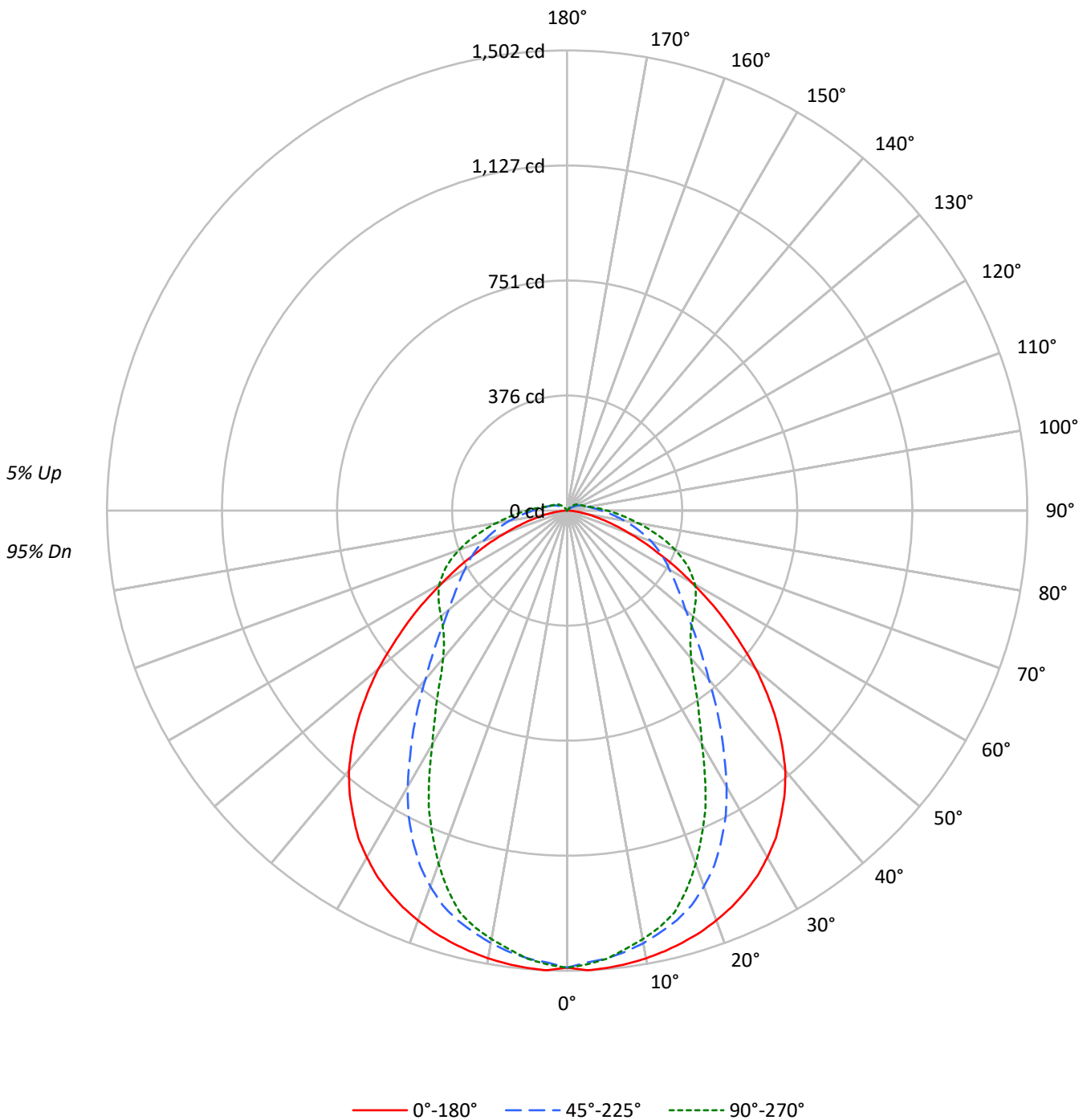
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96338	96338	96338
5°	96775	76113	70542
10°	96603	62522	54619
15°	96480	52406	43780
20°	96379	43982	34335
25°	96058	36371	26577
30°	95171	29303	19832
35°	93237	22982	15294
40°	90240	17866	12169
45°	84612	14191	10412
50°	77016	11500	9363
55°	67250	9728	8597
60°	56525	8380	7851
65°	46082	7278	6960
70°	36496	6197	5906
75°	27577	5114	4769
80°	19283	4100	3684
85°	11244	3207	2803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	4.0
10°-20°	392.7	11.1
20°-30°	552.2	15.6
30°-40°	578.2	16.4
40°-50°	523.5	14.8
50°-60°	445.5	12.6
60°-70°	352.3	10.0
70°-80°	239.9	6.8
80°-90°	136.9	3.9
90°-100°	75.9	2.1
100°-110°	46.4	1.3
110°-120°	28.2	0.8
120°-130°	15.3	0.4
130°-140°	4.6	0.1
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°	1084.9	30.7
0°-40°	1663.1	47.1
0°-60°	2632.1	74.5
0°-90°	3361.2	95.2
90°-120°	150.5	4.3
90°-150°	170.5	4.8
90°-180°	170.0	4.8
0°-180°	3531.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1492	1492	1492	1492	1492	
5°	1498	1489	1468	1474	1469	143
15°	1459	1431	1384	1370	1357	412
25°	1374	1306	1191	1098	1069	633
35°	1217	1080	875	765	737	761
45°	965	766	599	568	570	741
55°	633	483	439	490	512	566
65°	328	285	340	414	436	331
75°	128	156	239	294	304	139
85°	22	74	146	174	177	27
90°	0	51	111	130	130	1
95°	1	40	88	97	96	1
105°	1	24	59	61	59	1
115°	1	3	40	46	45	1
125°	0	1	18	32	34	0
135°	1	1	1	13	17	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°	1491.7	1491.7	1491.7	1491.7	1491.7
2.5°	1501.9	1493.7	1476.6	1487.6	1482.7
5°	1498.2	1488.8	1467.6	1474.2	1468.9
7.5°	1492.5	1479.9	1452.5	1454.6	1444.4
10°	1483.9	1467.6	1433.8	1430.1	1420.3
12.5°	1472.9	1450.5	1409.7	1404.8	1393.4
15°	1459.1	1431.3	1384.0	1369.7	1356.6
17.5°	1443.6	1408.5	1350.9	1319.1	1296.7
20°	1423.6	1379.1	1305.6	1259.5	1226.9
22.5°	1401.1	1347.3	1254.6	1185.3	1148.2
25°	1374.2	1306.1	1190.6	1098.4	1068.6
27.5°	1344.4	1263.2	1120.8	1013.1	973.5
30°	1306.9	1208.9	1041.3	925.8	880.1
32.5°	1267.7	1150.6	954.8	838.5	803.0
35°	1217.1	1080.0	874.8	765.4	737.3
37.5°	1166.1	1004.5	795.2	700.2	675.3
40°	1107.8	928.2	720.1	646.3	628.8
42.5°	1038.4	850.7	656.5	601.0	594.9
45°	965.0	766.3	599.4	568.0	570.0
47.5°	885.0	689.5	547.6	541.4	551.6
50°	804.6	618.1	504.3	521.4	537.4
52.5°	715.2	549.2	470.0	505.1	524.3
55°	632.8	483.1	439.0	489.6	512.5
57.5°	550.8	426.8	412.1	473.7	497.8
60°	469.2	375.4	386.0	456.6	481.9
62.5°	398.2	326.4	363.1	437.4	459.4
65°	328.5	285.2	339.5	414.5	436.2
67.5°	270.5	248.5	315.8	387.2	406.8
70°	215.4	213.8	290.5	357.0	375.0
72.5°	168.1	182.4	264.0	325.6	342.7
75°	127.7	155.5	239.1	293.8	304.4
77.5°	93.4	130.2	213.8	261.5	268.9
80°	64.1	108.1	189.7	229.3	234.6
82.5°	40.4	89.4	166.5	200.3	204.0
85°	22.4	73.9	145.7	174.2	176.7
87.5°	8.6	60.8	126.9	151.4	153.4
90°	0.4	51.4	111.4	129.7	129.7
92.5°	0.4	44.9	98.7	112.6	113.4
95°	0.8	39.6	87.7	97.1	96.3
97.5°	0.8	35.9	77.5	85.3	82.8
100°	0.8	32.6	69.8	75.1	72.6
102.5°	0.8	29.0	63.7	66.9	64.1
105°	0.8	24.1	58.8	61.2	58.8
107.5°	0.8	19.2	53.4	56.7	54.3
110°	0.8	14.3	48.6	52.6	50.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	9.0	44.1	49.0	47.7
115°	0.8	3.3	39.6	46.1	44.9
117.5°	0.4	1.6	33.9	42.8	42.4
120°	0.4	1.2	28.6	40.0	40.0
122.5°	0.4	1.2	23.7	35.9	37.5
125°	0.4	0.8	18.0	31.8	33.9
127.5°	0.4	0.8	12.6	27.7	30.2
130°	0.4	0.8	6.5	22.8	26.1
132.5°	0.4	0.8	0.8	18.0	21.6
135°	0.8	0.8	0.8	13.1	17.1
137.5°	0.8	0.8	0.8	6.9	12.2
140°	0.8	0.8	0.4	0.4	5.7
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)