

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: P289925

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289925
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-L935-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3086.6 lumens
Efficiency: N/A
Efficacy: 111.4 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

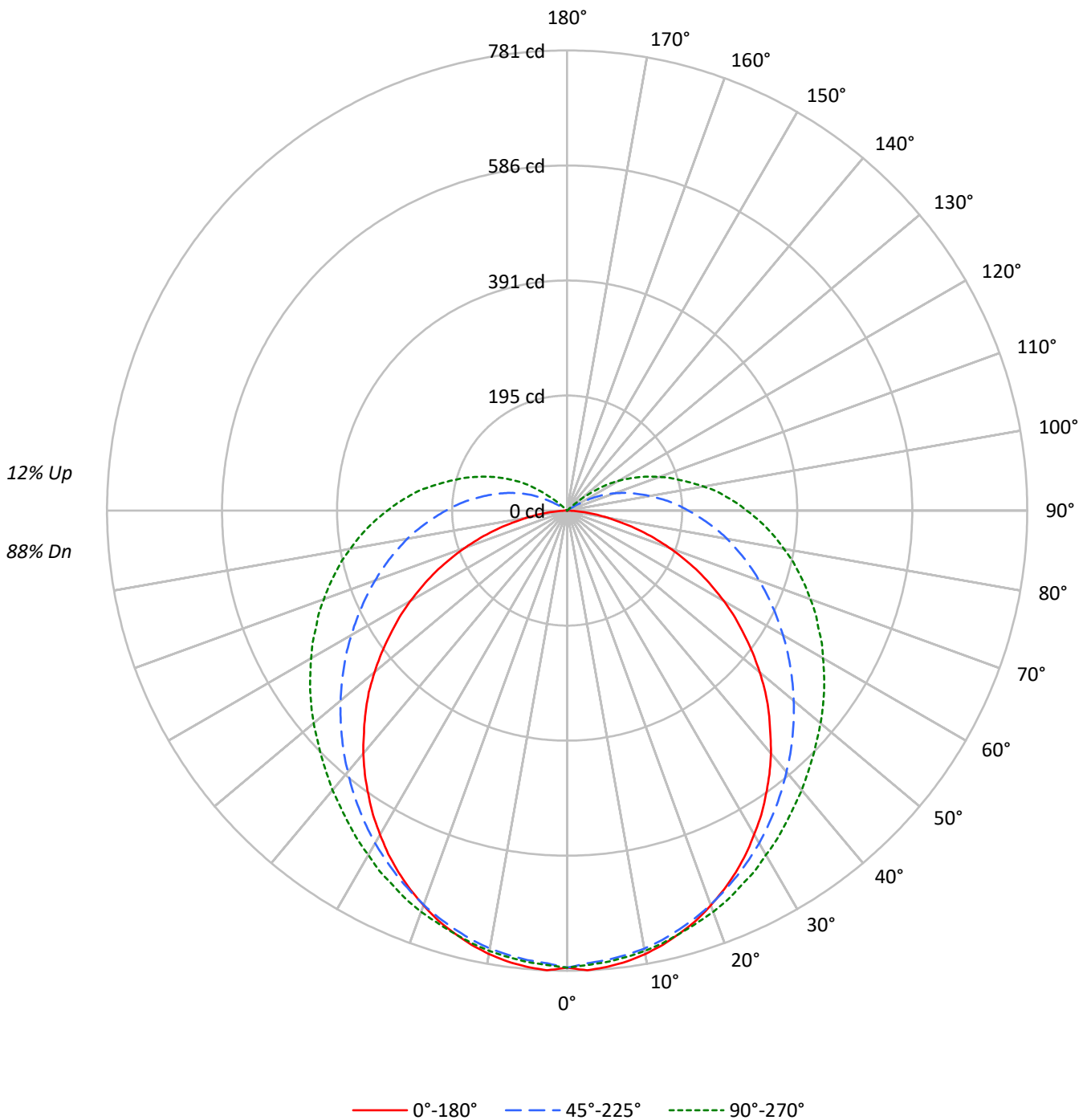
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289925

CATALOG NUMBER: 4SSRK-LW-40-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289925

CATALOG NUMBER: 4SSRK-LW-40-L935-CD1-U

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°	50097	50097	50097
5°	50209	39721	36935
10°	49750	32918	29184
15°	49076	27858	23965
20°	48257	23985	20281
25°	47344	20880	17434
30°	46235	18348	15208
35°	45075	16196	13431
40°	43841	14365	11987
45°	42429	12808	10777
50°	40815	11446	9783
55°	38938	10244	8932
60°	37009	9185	8170
65°	34579	8240	7507
70°	31243	7398	6920
75°	26864	6642	6373
80°	20757	5961	5862
85°	12499	5272	5397



TEST NUMBER: P289925

CATALOG NUMBER: 4SSRK-LW-40-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	2.4
10°-20°	209.1	6.8
20°-30°	317.0	10.3
30°-40°	386.9	12.5
40°-50°	416.7	13.5
50°-60°	409.3	13.3
60°-70°	369.8	12.0
70°-80°	307.9	10.0
80°-90°	236.1	7.7
90°-100°	171.0	5.5
100°-110°	110.4	3.6
110°-120°	59.5	1.9
120°-130°	18.8	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°	599.4	19.4
0°-40°	986.3	32.0
0°-60°	1812.3	58.7
0°-90°	2726.1	88.3
90°-120°	340.9	11.0
90°-150°	360.5	11.7
90°-180°	360.0	11.7
0°-180°	3086.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	777	774	766	772	769	74
15°	742	741	736	744	743	209
25°	677	678	684	698	701	312
35°	588	596	616	641	648	368
45°	484	502	541	576	590	373
55°	366	403	462	514	532	328
65°	246	300	384	449	470	243
75°	124	206	310	382	407	132
85°	25	126	240	314	340	30
90°	1	95	206	280	305	1
95°	2	69	174	247	271	1
105°	2	24	113	178	200	2
115°	1	1	57	113	134	1
125°	1	0	0	45	64	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



TEST NUMBER: P289925

CATALOG NUMBER: 4SSRK-LW-40-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.7	775.7	775.7	775.7	775.7
2.5°	781.0	777.7	769.1	774.4	772.0
5°	777.3	774.4	765.9	771.6	769.1
7.5°	772.0	769.1	761.0	766.7	764.6
10°	764.2	761.4	754.9	760.6	758.9
12.5°	754.4	752.4	746.3	753.2	751.6
15°	742.2	740.6	735.7	743.8	742.6
17.5°	729.2	727.5	724.7	733.2	733.6
20°	712.8	712.4	712.0	723.0	724.7
22.5°	696.1	696.5	698.1	711.6	714.1
25°	677.3	678.1	683.5	698.1	701.0
27.5°	657.3	660.2	667.9	685.1	689.6
30°	634.9	639.8	652.0	670.0	674.9
32.5°	612.9	618.2	634.5	655.7	662.2
35°	588.4	596.1	616.5	641.0	647.5
37.5°	563.9	572.9	598.2	624.7	632.9
40°	538.2	550.0	579.0	608.8	619.4
42.5°	510.4	527.2	560.6	592.5	604.3
45°	483.9	502.3	541.0	576.5	590.0
47.5°	456.6	478.6	521.5	561.0	575.3
50°	426.4	452.9	501.9	545.5	561.5
52.5°	397.0	428.4	482.3	529.6	547.2
55°	366.4	402.7	462.3	513.7	532.5
57.5°	337.8	376.6	443.1	497.0	517.0
60°	307.2	351.3	423.1	481.5	501.5
62.5°	276.2	326.0	403.5	464.7	487.2
65°	246.5	299.9	384.4	448.8	470.5
67.5°	214.6	276.2	365.6	431.7	456.2
70°	184.4	251.8	346.8	415.4	439.4
72.5°	154.2	228.1	328.5	399.1	423.5
75°	124.4	206.5	310.5	382.3	406.8
77.5°	94.7	183.6	292.2	365.6	391.3
80°	69.0	163.6	275.8	348.5	373.3
82.5°	46.9	144.9	257.5	332.1	357.4
85°	24.9	126.5	239.5	314.2	340.3
87.5°	7.3	110.2	222.0	296.6	322.8
90°	0.8	95.1	205.6	279.5	304.8
92.5°	1.2	82.0	190.1	264.0	288.5
95°	1.6	69.0	174.2	246.9	270.9
97.5°	1.6	57.5	157.9	229.3	255.0
100°	1.6	46.5	142.4	211.4	235.0
102.5°	1.6	36.3	127.7	193.4	216.7
105°	1.6	24.5	113.4	177.5	199.5
107.5°	1.6	12.2	99.6	162.0	183.6
110°	1.6	2.4	85.7	146.1	166.9



TEST NUMBER: P289925

CATALOG NUMBER: 4SSRK-LW-40-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	1.6	72.2	129.3	150.6
115°	1.2	1.2	57.1	113.0	134.2
117.5°	1.2	1.2	40.8	97.9	117.1
120°	1.2	0.8	23.7	82.0	101.2
122.5°	0.8	0.8	7.8	63.7	84.5
125°	0.8	0.4	0.4	45.3	64.5
127.5°	0.8	0.4	0.0	25.3	43.7
130°	0.8	0.4	0.0	7.3	24.9
132.5°	0.8	0.4	0.0	0.0	5.3
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)