

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: P290093

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LN-30-L935-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2609.2 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

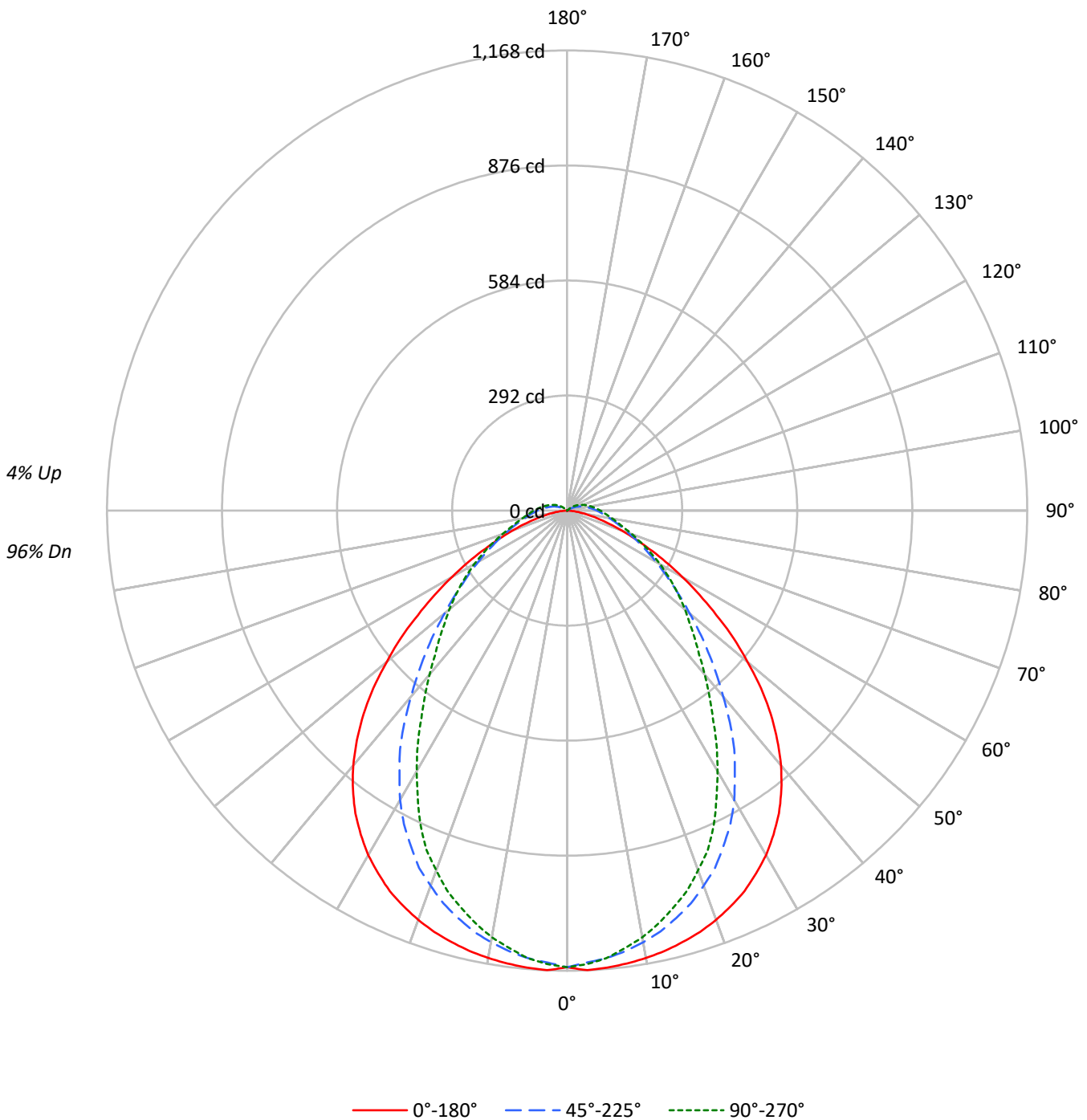
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290093

CATALOG NUMBER: 4SSRK-LN-30-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290093

CATALOG NUMBER: 4SSRK-LN-30-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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				96
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				81
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				69
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				59
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				52
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				46
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				41
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				36
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74852	74852	74852
5°	75220	59154	54776
10°	75074	48507	42306
15°	74970	40539	33660
20°	74850	34135	27196
25°	74494	28685	21911
30°	73521	23869	17198
35°	71818	19435	13386
40°	68817	15303	10518
45°	64086	11958	8357
50°	57279	9245	6805
55°	49141	7195	5529
60°	40707	5642	4444
65°	32195	4440	3510
70°	24856	3515	2759
75°	18291	2856	2196
80°	12845	2354	1822
85°	7379	1985	1553



TEST NUMBER: P290093

CATALOG NUMBER: 4SSRK-LN-30-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	4.2
10°-20°	304.7	11.7
20°-30°	439.1	16.8
30°-40°	475.7	18.2
40°-50°	421.3	16.1
50°-60°	320.6	12.3
60°-70°	213.6	8.2
70°-80°	132.0	5.1
80°-90°	82.7	3.2
90°-100°	54.3	2.1
100°-110°	33.3	1.3
110°-120°	17.2	0.7
120°-130°	5.6	0.2
130°-140°	0.3	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°	852.7	32.7
0°-40°	1328.3	50.9
0°-60°	2070.2	79.3
0°-90°	2498.4	95.8
90°-120°	104.8	4.0
90°-150°	110.7	4.2
90°-180°	111.0	4.3
0°-180°	2609.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1164	1157	1141	1145	1141	111
15°	1134	1112	1071	1056	1043	320
25°	1066	1016	939	899	881	490
35°	938	850	740	670	645	584
45°	731	616	505	467	458	561
55°	462	377	325	329	330	415
65°	230	201	207	219	220	232
75°	85	103	134	142	140	94
85°	15	53	90	99	98	18
90°	1	39	75	85	84	1
95°	2	27	62	72	72	1
105°	1	11	39	50	51	1
115°	1	1	20	31	34	1
125°	1	1	1	14	17	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: P290093

CATALOG NUMBER: 4SSRK-LN-30-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.0	1159.0	1159.0	1159.0	1159.0
2.5°	1167.6	1161.2	1148.0	1155.6	1152.0
5°	1164.5	1157.2	1140.6	1144.9	1140.6
7.5°	1159.6	1150.4	1128.3	1130.2	1120.0
10°	1153.2	1140.9	1112.4	1109.3	1100.1
12.5°	1144.9	1127.7	1094.3	1082.0	1073.1
15°	1133.8	1112.4	1070.6	1056.2	1043.0
17.5°	1121.3	1093.7	1045.2	1027.7	1012.0
20°	1105.6	1070.9	1013.3	989.0	971.8
22.5°	1086.6	1046.1	981.6	946.4	932.5
25°	1065.7	1015.7	939.0	898.8	881.0
27.5°	1038.4	982.3	897.0	846.6	821.2
30°	1009.6	942.7	848.2	790.2	763.2
32.5°	974.9	899.4	791.7	730.0	706.1
35°	937.5	849.7	739.8	670.2	645.3
37.5°	893.3	796.0	678.2	614.3	592.5
40°	844.8	737.7	616.8	560.6	543.5
42.5°	789.6	678.5	559.1	510.6	495.9
45°	730.9	616.5	505.1	466.7	457.5
47.5°	667.1	554.5	454.5	427.1	420.4
50°	598.4	492.5	405.4	390.3	390.6
52.5°	533.0	433.9	363.6	359.6	358.7
55°	462.4	377.4	324.7	328.6	329.6
57.5°	398.6	325.0	291.5	298.9	299.8
60°	337.9	278.0	259.9	271.3	272.8
62.5°	282.3	237.8	232.9	244.6	244.3
65°	229.5	201.3	207.1	219.1	220.0
67.5°	184.7	171.5	185.7	196.1	195.5
70°	146.7	144.8	164.8	175.8	175.2
72.5°	114.2	122.4	148.5	158.0	155.6
75°	84.7	103.1	133.5	142.4	140.2
77.5°	62.3	87.1	120.3	128.9	127.3
80°	42.7	74.0	108.9	117.8	116.0
82.5°	27.3	62.9	99.1	107.7	106.5
85°	14.7	53.1	90.2	99.4	97.9
87.5°	5.5	45.1	82.2	91.4	90.8
90°	0.6	38.7	75.2	84.7	84.1
92.5°	0.9	32.8	68.4	78.2	78.2
95°	1.5	27.3	62.3	72.1	71.8
97.5°	1.2	23.0	55.5	66.3	66.3
100°	1.2	19.0	49.4	60.1	60.8
102.5°	1.2	15.0	44.2	54.6	55.8
105°	0.9	10.7	39.0	49.7	50.9
107.5°	0.9	6.1	33.8	45.1	46.6
110°	0.9	1.5	29.2	40.2	42.0



TEST NUMBER: P290093

CATALOG NUMBER: 4SSRK-LN-30-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	0.9	24.5	35.6	37.4
115°	0.9	0.9	19.9	31.0	33.8
117.5°	0.6	0.6	14.7	27.0	29.5
120°	0.6	0.6	9.2	22.7	25.2
122.5°	0.6	0.6	4.0	18.1	21.5
125°	0.6	0.6	0.6	13.5	16.9
127.5°	0.6	0.6	0.3	8.0	12.0
130°	0.6	0.6	0.3	3.1	7.4
132.5°	0.6	0.6	0.3	0.3	2.1
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)