

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: P290268

Luminaire Tested: **4SSRK-SLC-30-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLC-30-L930-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

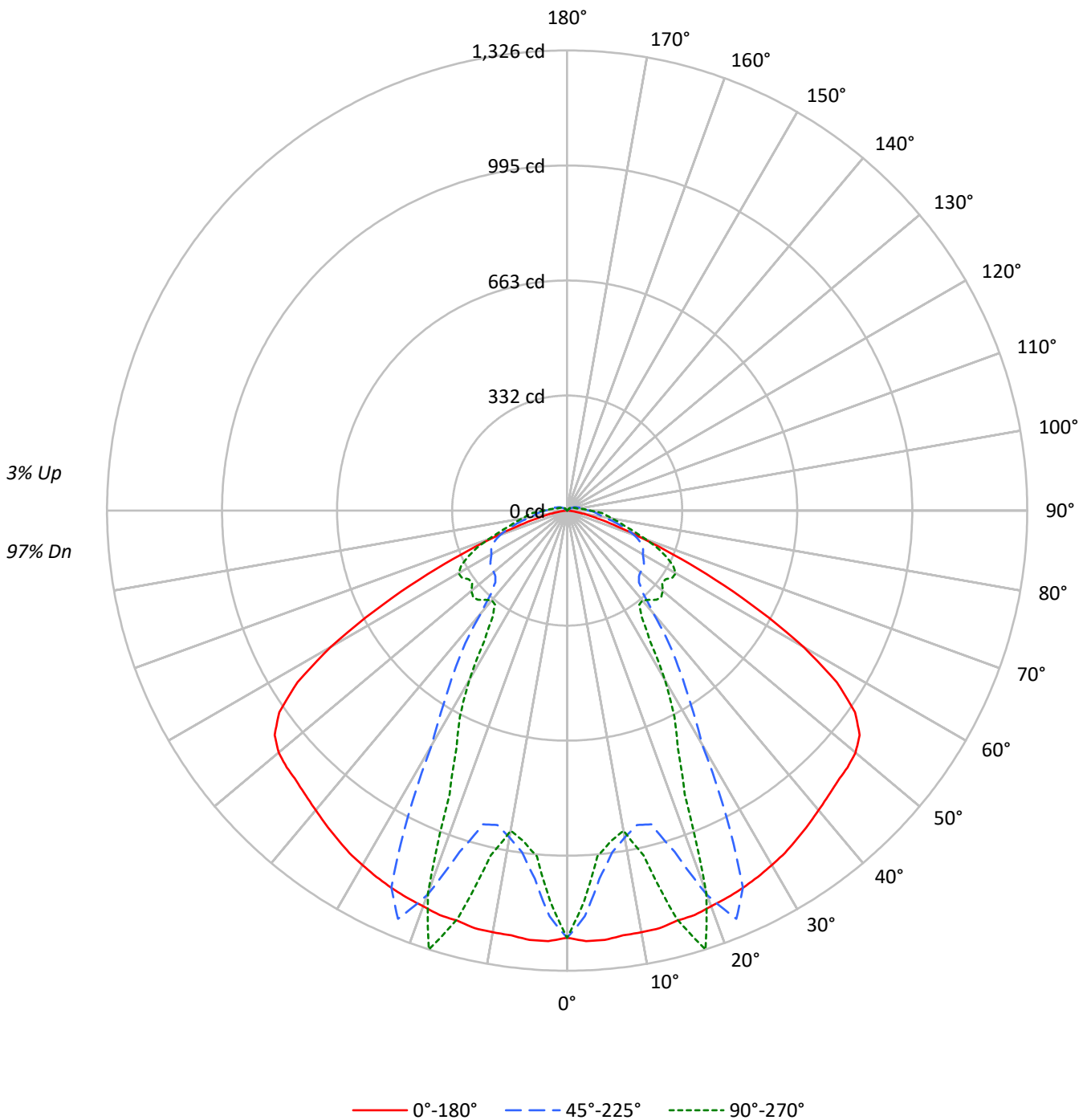
Lumens per Lamp: N/A
Luminaire Lumens: 2588.4 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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



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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	109	109	109	104	104	104	99	99	99	97
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	81
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	59
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	51
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	45
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	32
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79495	79495	79495
5°	80220	55233	48048
10°	80322	41700	36010
15°	80895	35434	39259
20°	82121	39694	32812
25°	83819	36607	18742
30°	85894	21916	12696
35°	88473	14924	7772
40°	91796	9597	6535
45°	96677	6939	6644
50°	103847	6289	6265
55°	107623	5989	5795
60°	94799	5466	5888
65°	65862	5143	5037
70°	37868	4373	3788
75°	21163	3303	2695
80°	11642	2330	2084
85°	5220	1871	1705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	4.0
10°-20°	307.1	11.9
20°-30°	452.1	17.5
30°-40°	441.6	17.1
40°-50°	366.1	14.1
50°-60°	336.1	13.0
60°-70°	266.3	10.3
70°-80°	147.9	5.7
80°-90°	78.3	3.0
90°-100°	41.2	1.6
100°-110°	24.8	1.0
110°-120°	14.2	0.5
120°-130°	7.8	0.3
130°-140°	2.5	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°	861.4	33.3
0°-40°	1303.1	50.3
0°-60°	2005.3	77.5
0°-90°	2497.8	96.5
90°-120°	80.2	3.1
90°-150°	90.5	3.5
90°-180°	91.0	3.5
0°-180°	2588.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1231	1231	1231	1231	1231	
5°	1242	1172	1065	1020	1000	118
15°	1223	977	936	1146	1216	347
25°	1199	933	1198	817	754	554
35°	1155	1114	568	406	375	725
45°	1103	504	293	334	364	855
55°	1013	224	270	324	346	879
65°	470	146	240	304	316	475
75°	98	89	154	165	172	116
85°	10	44	85	103	108	14
90°	0	32	62	68	67	0
95°	1	25	48	50	48	0
105°	1	17	34	29	26	1
115°	1	2	22	21	19	1
125°	1	1	10	16	16	1
135°	1	1	1	7	9	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°	1230.9	1230.9	1230.9	1230.9	1230.9
2.5°	1241.9	1219.7	1170.2	1136.7	1125.4
5°	1241.9	1172.2	1065.0	1019.6	1000.5
7.5°	1234.4	1112.1	993.0	973.4	960.9
10°	1233.8	1047.9	956.3	939.8	936.4
12.5°	1232.4	1012.4	928.0	986.4	1017.9
15°	1223.4	977.1	935.8	1145.9	1216.5
17.5°	1222.0	950.8	1030.6	1296.6	1326.3
20°	1213.0	930.0	1178.3	1277.5	1172.5
22.5°	1207.2	915.5	1273.4	1027.7	884.9
25°	1199.1	932.9	1198.3	817.0	753.6
27.5°	1189.9	988.7	993.3	711.2	669.2
30°	1179.5	1076.0	778.8	621.5	563.4
32.5°	1169.1	1139.9	662.9	510.2	442.0
35°	1154.9	1113.6	568.1	405.9	374.7
37.5°	1141.6	992.1	481.6	350.4	341.4
40°	1126.9	799.3	386.8	328.4	337.7
42.5°	1114.4	633.7	324.9	326.1	348.9
45°	1102.6	503.6	293.1	334.5	363.7
47.5°	1095.6	400.4	280.4	344.6	368.0
50°	1084.9	320.9	275.8	346.6	359.6
52.5°	1062.4	264.5	274.3	335.9	344.9
55°	1012.7	224.3	270.3	323.8	345.5
57.5°	921.0	199.5	261.0	326.4	359.6
60°	786.9	180.1	251.8	334.8	361.4
62.5°	626.2	162.5	246.9	327.8	344.3
65°	469.5	145.7	239.9	304.4	315.7
67.5°	328.7	131.2	224.3	275.2	281.3
70°	223.5	117.4	205.0	237.9	240.5
72.5°	150.3	103.5	181.0	199.5	203.5
75°	98.0	88.7	154.4	164.8	172.0
77.5°	62.4	75.5	128.1	141.4	150.6
80°	38.7	62.4	107.8	126.9	132.7
82.5°	21.7	52.0	93.4	113.3	116.5
85°	10.4	43.7	85.0	103.2	107.5
87.5°	2.6	37.0	74.9	85.6	85.6
90°	0.3	31.8	62.2	67.9	67.4
92.5°	0.3	28.0	54.1	57.8	56.7
95°	0.6	25.2	48.3	50.3	48.0
97.5°	0.6	23.7	44.5	43.1	39.6
100°	0.6	22.0	40.5	36.7	33.0
102.5°	0.6	19.7	37.0	32.4	29.2
105°	0.6	16.8	33.8	29.2	26.3
107.5°	0.6	13.3	30.4	26.6	24.3
110°	0.6	9.5	27.2	24.6	22.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	5.8	24.6	22.8	21.4
115°	0.6	2.0	22.0	20.8	19.4
117.5°	0.6	0.9	19.4	19.9	18.2
120°	0.6	0.9	16.2	18.8	17.3
122.5°	0.6	0.9	13.3	17.6	16.8
125°	0.6	0.6	10.1	16.2	15.9
127.5°	0.6	0.6	6.9	14.2	14.7
130°	0.6	0.6	3.5	11.6	13.0
132.5°	0.6	0.6	0.6	9.5	10.7
135°	0.6	0.6	0.6	6.9	8.7
137.5°	0.6	0.6	0.6	3.5	6.4
140°	0.6	0.6	0.6	0.6	2.6
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)