

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: P290270

Luminaire Tested: **4SSRK-SLC-30-L940-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290270  
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-L940-CD1-U  
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

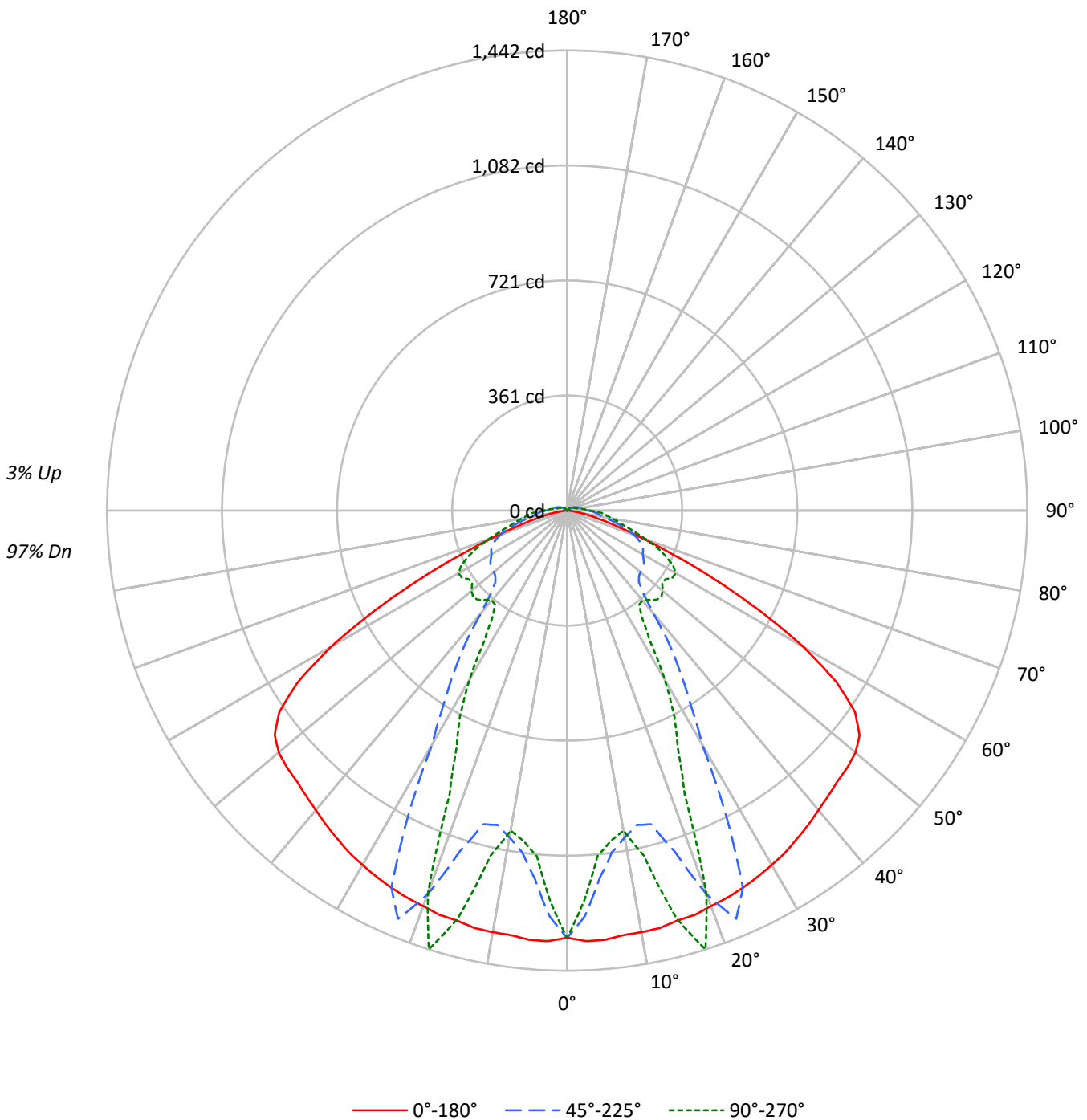
Lumens per Lamp: N/A  
Luminaire Lumens: 2813.9 lumens  
Efficiency: N/A  
Efficacy: 137.9 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	87	85	83	81	
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	77	74	71	69	
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	69	65	61	59	
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	62	57	53	51	
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	57	51	47	45	
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	52	46	42	40	
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	48	42	38	36	
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	44	38	34	32	
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	41	35	31	29	
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	38	33	29	27	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	86431	86431	86431
5°	87215	60052	52240
10°	87326	45337	39148
15°	87950	38524	42680
20°	89284	43157	35675
25°	91130	39796	20379
30°	93380	23827	13804
35°	96187	16225	8449
40°	99796	10433	7104
45°	105103	7545	7223
50°	112902	6837	6812
55°	117007	6512	6300
60°	103063	5942	6401
65°	71600	5593	5476
70°	41155	4753	4118
75°	22999	3589	2930
80°	12665	2533	2266
85°	5672	2034	1854



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.2	4.0
10°-20°	333.9	11.9
20°-30°	491.5	17.5
30°-40°	480.1	17.1
40°-50°	398.0	14.1
50°-60°	365.4	13.0
60°-70°	289.6	10.3
70°-80°	160.8	5.7
80°-90°	85.2	3.0
90°-100°	44.8	1.6
100°-110°	26.9	1.0
110°-120°	15.4	0.5
120°-130°	8.5	0.3
130°-140°	2.7	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°	936.6	33.3
0°-40°	1416.7	50.3
0°-60°	2180.1	77.5
0°-90°	2715.6	96.5
90°-120°	87.1	3.1
90°-150°	98.3	3.5
90°-180°	98.0	3.5
0°-180°	2813.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1338	1338	1338	1338	1338	
5°	1350	1274	1158	1108	1088	128
15°	1330	1062	1017	1246	1322	377
25°	1304	1014	1303	888	819	602
35°	1256	1211	618	441	407	788
45°	1199	548	319	364	395	930
55°	1101	244	294	352	376	956
65°	510	158	261	331	343	517
75°	106	96	168	179	187	126
85°	11	48	92	112	117	16
90°	0	35	68	74	73	1
95°	1	27	52	55	52	0
105°	1	18	37	32	29	1
115°	1	2	24	23	21	1
125°	1	1	11	18	17	1
135°	1	1	1	8	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°	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1350.2	1326.0	1272.3	1235.8	1223.5
5°	1350.2	1274.5	1157.9	1108.5	1087.8
7.5°	1342.0	1209.1	1079.6	1058.2	1044.7
10°	1341.4	1139.3	1039.7	1021.8	1018.0
12.5°	1339.8	1100.6	1008.9	1072.4	1106.6
15°	1330.1	1062.3	1017.4	1245.9	1322.5
17.5°	1328.5	1033.7	1120.4	1409.6	1442.0
20°	1318.8	1011.1	1281.1	1388.9	1274.8
22.5°	1312.5	995.4	1384.5	1117.3	962.0
25°	1303.7	1014.2	1302.7	888.2	819.4
27.5°	1293.6	1074.9	1079.9	773.2	727.6
30°	1282.3	1169.8	846.7	675.7	612.6
32.5°	1271.0	1239.3	720.7	554.7	480.6
35°	1255.6	1210.7	617.6	441.3	407.3
37.5°	1241.1	1078.6	523.6	380.9	371.2
40°	1225.1	869.0	420.5	357.0	367.1
42.5°	1211.6	688.9	353.3	354.5	379.4
45°	1198.7	547.5	318.7	363.6	395.4
47.5°	1191.2	435.3	304.9	374.6	400.1
50°	1179.5	348.9	299.8	376.8	391.0
52.5°	1155.0	287.6	298.3	365.2	374.9
55°	1101.0	243.9	293.9	352.0	375.6
57.5°	1001.3	216.9	283.8	354.8	391.0
60°	855.5	195.8	273.7	363.9	392.9
62.5°	680.8	176.6	268.4	356.4	374.3
65°	510.4	158.4	260.9	330.9	343.2
67.5°	357.3	142.7	243.9	299.2	305.8
70°	242.9	127.6	222.8	258.7	261.5
72.5°	163.4	112.5	196.7	216.9	221.3
75°	106.5	96.5	167.8	179.1	187.0
77.5°	67.9	82.0	139.2	153.7	163.7
80°	42.1	67.9	117.2	138.0	144.3
82.5°	23.6	56.6	101.5	123.2	126.7
85°	11.3	47.5	92.4	112.2	116.9
87.5°	2.8	40.2	81.4	93.0	93.0
90°	0.3	34.6	67.6	73.9	73.2
92.5°	0.3	30.5	58.8	62.9	61.6
95°	0.6	27.3	52.5	54.7	52.2
97.5°	0.6	25.8	48.4	46.8	43.1
100°	0.6	23.9	44.0	39.9	35.8
102.5°	0.6	21.4	40.2	35.2	31.7
105°	0.6	18.2	36.8	31.7	28.6
107.5°	0.6	14.5	33.0	28.9	26.4
110°	0.6	10.4	29.5	26.7	24.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	6.3	26.7	24.8	23.3
115°	0.6	2.2	23.9	22.6	21.1
117.5°	0.6	0.9	21.1	21.7	19.8
120°	0.6	0.9	17.6	20.4	18.9
122.5°	0.6	0.9	14.5	19.2	18.2
125°	0.6	0.6	11.0	17.6	17.3
127.5°	0.6	0.6	7.5	15.4	16.0
130°	0.6	0.6	3.8	12.6	14.1
132.5°	0.6	0.6	0.6	10.4	11.6
135°	0.6	0.6	0.6	7.5	9.4
137.5°	0.6	0.6	0.6	3.8	6.9
140°	0.6	0.6	0.6	0.6	2.8
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)