

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: P290333

Luminaire Tested: **8SSRK-SLC-10-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290333  
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: 8SSRK-SLC-10-L935-CD1-U  
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

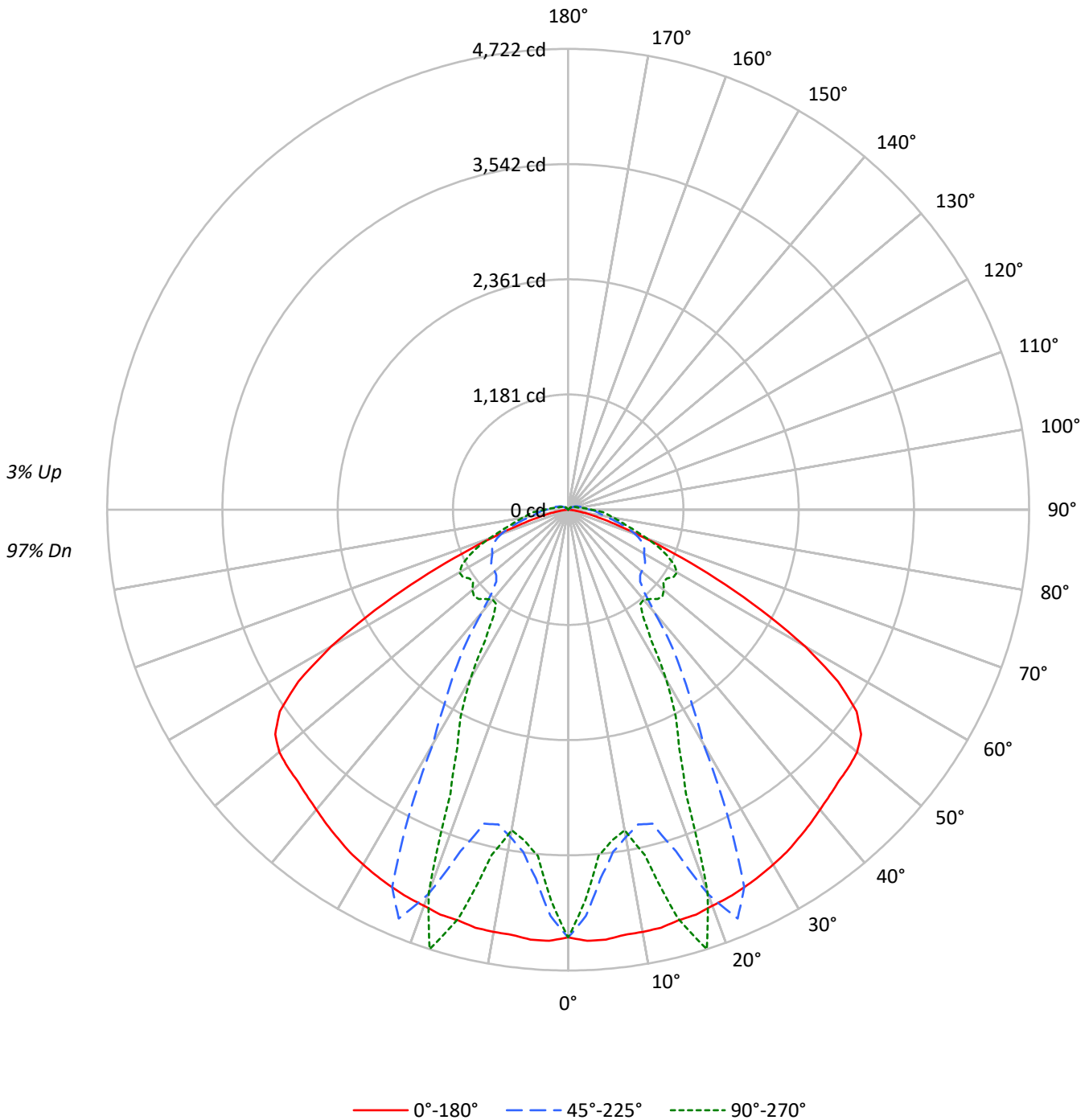
Lumens per Lamp: N/A  
Luminaire Lumens: 9214.7 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 71.9151  
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°	141508	141508	141508
5°	143055	98420	85530
10°	143501	74356	64097
15°	144799	63214	69882
20°	147280	70843	58409
25°	150640	65351	33365
30°	154707	39138	22601
35°	159748	26655	13834
40°	166202	17144	11632
45°	175599	12401	11825
50°	189338	11239	11153
55°	197103	10706	10315
60°	174622	9772	10480
65°	122247	9196	8966
70°	71049	7819	6743
75°	40390	5906	4797
80°	22934	4169	3709
85°	11102	3347	3037



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.0	4.0
10°-20°	1093.4	11.9
20°-30°	1609.4	17.5
30°-40°	1572.2	17.1
40°-50°	1303.4	14.1
50°-60°	1196.6	13.0
60°-70°	948.2	10.3
70°-80°	526.5	5.7
80°-90°	278.9	3.0
90°-100°	146.6	1.6
100°-110°	88.3	1.0
110°-120°	50.4	0.5
120°-130°	27.8	0.3
130°-140°	8.8	0.1
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3066.8	33.3
0°-40°	4639.0	50.3
0°-60°	7138.9	77.5
0°-90°	8892.5	96.5
90°-120°	285.3	3.1
90°-150°	322.2	3.5
90°-180°	322.0	3.5
0°-180°	9214.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4382	4382	4382	4382	4382	
5°	4421	4173	3792	3630	3562	420
15°	4356	3479	3331	4080	4331	1235
25°	4269	3321	4266	2908	2683	1973
35°	4112	3964	2022	1445	1334	2580
45°	3925	1793	1044	1191	1295	3044
55°	3605	799	962	1153	1230	3131
65°	1671	519	854	1084	1124	1692
75°	349	316	550	587	612	414
85°	37	155	303	367	383	51
90°	1	113	221	242	240	2
95°	2	90	172	179	171	2
105°	2	60	120	104	94	2
115°	2	7	78	74	69	2
125°	2	2	36	58	57	2
135°	2	2	2	25	31	2
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°	4382.2	4382.2	4382.2	4382.2	4382.2
2.5°	4421.3	4342.1	4166.1	4046.7	4006.6
5°	4421.3	4173.3	3791.5	3629.9	3562.0
7.5°	4394.6	3959.2	3535.2	3465.2	3421.0
10°	4392.5	3730.8	3404.5	3345.8	3333.5
12.5°	4387.4	3604.2	3303.6	3511.5	3623.7
15°	4355.5	3478.6	3331.4	4079.6	4330.8
17.5°	4350.3	3385.0	3669.0	4615.8	4721.8
20°	4318.4	3310.9	4194.9	4547.9	4174.3
22.5°	4297.8	3259.4	4533.5	3658.7	3150.3
25°	4269.0	3321.1	4265.9	2908.4	2683.1
27.5°	4236.1	3519.8	3536.2	2531.8	2382.5
30°	4199.0	3830.6	2772.6	2212.7	2005.9
32.5°	4162.0	4058.0	2359.9	1816.5	1573.6
35°	4111.5	3964.4	2022.3	1445.0	1333.8
37.5°	4064.2	3532.1	1714.6	1247.4	1215.5
40°	4011.7	2845.7	1377.0	1169.1	1202.1
42.5°	3967.5	2255.9	1156.8	1160.9	1242.2
45°	3925.3	1792.8	1043.6	1190.8	1294.7
47.5°	3900.6	1425.4	998.3	1226.8	1310.1
50°	3862.5	1142.4	981.8	1234.0	1280.3
52.5°	3782.2	941.7	976.7	1195.9	1227.8
55°	3605.2	798.6	962.3	1152.7	1229.9
57.5°	3278.9	710.1	929.3	1161.9	1280.3
60°	2801.4	641.2	896.4	1191.8	1286.5
62.5°	2229.2	578.4	878.9	1167.1	1225.7
65°	1671.4	518.7	854.2	1083.7	1123.9
67.5°	1170.2	467.2	798.6	979.8	1001.4
70°	795.6	417.8	729.7	847.0	856.3
72.5°	535.2	368.4	644.3	710.1	724.5
75°	348.9	316.0	549.6	586.6	612.4
77.5°	222.3	268.6	455.9	503.3	536.2
80°	137.9	222.3	383.9	451.8	472.4
82.5°	77.2	185.3	332.4	403.4	414.8
85°	37.1	155.4	302.6	367.4	382.9
87.5°	9.3	131.7	266.6	304.6	304.6
90°	1.0	113.2	221.3	241.9	239.8
92.5°	1.0	99.8	192.5	205.8	201.7
95°	2.1	89.5	171.9	179.1	170.8
97.5°	2.1	84.4	158.5	153.3	141.0
100°	2.1	78.2	144.1	130.7	117.3
102.5°	2.1	70.0	131.7	115.3	103.9
105°	2.1	59.7	120.4	103.9	93.7
107.5°	2.1	47.3	108.1	94.7	86.5
110°	2.1	34.0	96.7	87.5	81.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	20.6	87.5	81.3	76.2
115°	2.1	7.2	78.2	74.1	69.0
117.5°	2.1	3.1	69.0	71.0	64.8
120°	2.1	3.1	57.6	66.9	61.8
122.5°	2.1	3.1	47.3	62.8	59.7
125°	2.1	2.1	36.0	57.6	56.6
127.5°	2.1	2.1	24.7	50.4	52.5
130°	2.1	2.1	12.4	41.2	46.3
132.5°	2.1	2.1	2.1	34.0	38.1
135°	2.1	2.1	2.1	24.7	30.9
137.5°	2.1	2.1	2.1	12.4	22.6
140°	2.1	2.1	2.1	2.1	9.3
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)