

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: P290292

Luminaire Tested: **4SSRK-SLC-80-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290292  
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-80-L930-CD1-U  
Description: 8000 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: 6967.1 lumens  
Efficiency: N/A  
Efficacy: 110.8 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

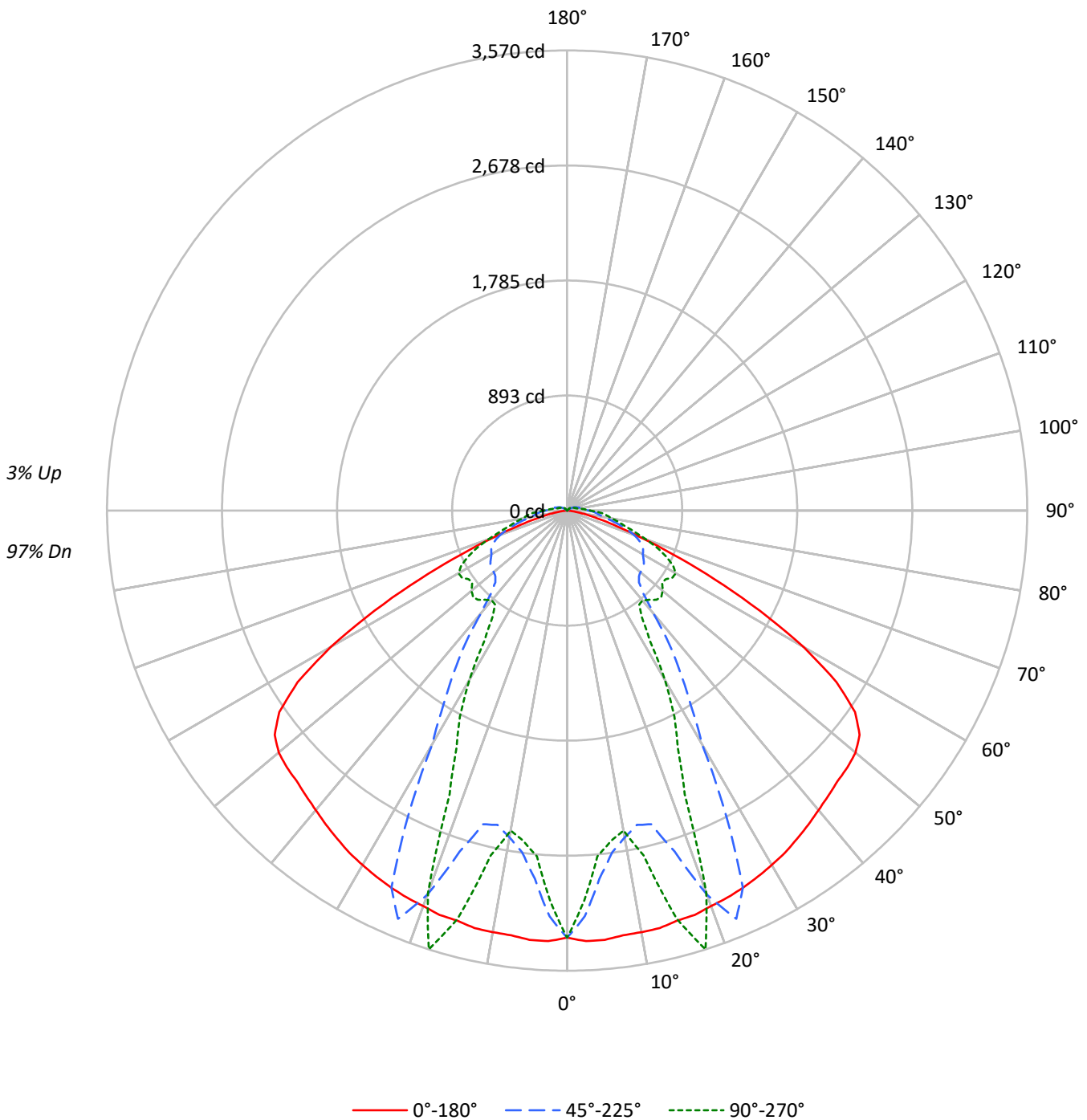
Input Watts (W): 62.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	213989	213989	213989
5°	215932	148674	129337
10°	216213	112245	96925
15°	217750	95379	105675
20°	221051	106849	88326
25°	225627	98532	50452
30°	231203	58992	34175
35°	238146	40171	20920
40°	247082	25833	17590
45°	260228	18679	17881
50°	279541	16930	16865
55°	289690	16122	15598
60°	255171	14714	15847
65°	177274	13846	13557
70°	101913	11769	10196
75°	56967	8888	7253
80°	31377	6274	5609
85°	14055	5036	4592



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.2	4.0
10°-20°	826.7	11.9
20°-30°	1216.9	17.5
30°-40°	1188.7	17.1
40°-50°	985.5	14.1
50°-60°	904.7	13.0
60°-70°	716.9	10.3
70°-80°	398.1	5.7
80°-90°	210.8	3.0
90°-100°	110.9	1.6
100°-110°	66.7	1.0
110°-120°	38.1	0.5
120°-130°	21.0	0.3
130°-140°	6.7	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2318.8	33.3
0°-40°	3507.5	50.3
0°-60°	5397.7	77.5
0°-90°	6723.5	96.5
90°-120°	215.7	3.1
90°-150°	243.6	3.5
90°-180°	244.0	3.5
0°-180°	6967.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3313	3313	3313	3313	3313	
5°	3343	3155	2867	2744	2693	318
15°	3293	2630	2519	3085	3274	934
25°	3228	2511	3225	2199	2029	1492
35°	3109	2997	1529	1092	1008	1951
45°	2968	1356	789	900	979	2302
55°	2726	604	728	872	930	2367
65°	1264	392	646	819	850	1279
75°	264	239	416	444	463	313
85°	28	118	229	278	290	39
90°	1	86	167	183	181	1
95°	2	68	130	135	129	1
105°	2	45	91	79	71	2
115°	2	5	59	56	52	2
125°	2	2	27	44	43	1
135°	2	2	2	19	23	1
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°	3313.4	3313.4	3313.4	3313.4	3313.4
2.5°	3342.9	3283.0	3150.0	3059.7	3029.4
5°	3342.9	3155.4	2866.7	2744.5	2693.2
7.5°	3322.7	2993.6	2673.0	2620.0	2586.6
10°	3321.2	2820.8	2574.1	2529.8	2520.4
12.5°	3317.3	2725.1	2497.9	2655.1	2739.9
15°	3293.1	2630.2	2518.9	3084.6	3274.5
17.5°	3289.3	2559.3	2774.1	3490.0	3570.2
20°	3265.1	2503.3	3171.8	3438.7	3156.2
22.5°	3249.6	2464.4	3427.8	2766.3	2381.9
25°	3227.8	2511.1	3225.4	2199.1	2028.6
27.5°	3202.9	2661.3	2673.7	1914.3	1801.4
30°	3174.9	2896.3	2096.3	1673.0	1516.6
32.5°	3146.9	3068.3	1784.3	1373.4	1189.8
35°	3108.7	2997.4	1529.1	1092.5	1008.5
37.5°	3072.9	2670.6	1296.4	943.1	919.0
40°	3033.2	2151.6	1041.2	884.0	908.9
42.5°	2999.8	1705.7	874.6	877.8	939.2
45°	2967.9	1355.5	789.0	900.3	978.9
47.5°	2949.2	1077.7	754.8	927.6	990.6
50°	2920.4	863.8	742.4	933.0	968.0
52.5°	2859.7	712.0	738.5	904.2	928.3
55°	2725.9	603.8	727.6	871.5	929.9
57.5°	2479.2	536.9	702.7	878.5	968.0
60°	2118.1	484.8	677.8	901.1	972.7
62.5°	1685.5	437.3	664.5	882.4	926.8
65°	1263.7	392.2	645.9	819.4	849.7
67.5°	884.8	353.3	603.8	740.8	757.1
70°	601.5	315.9	551.7	640.4	647.4
72.5°	404.6	278.6	487.1	536.9	547.8
75°	263.8	238.9	415.5	443.5	463.0
77.5°	168.1	203.1	344.7	380.5	405.4
80°	104.3	168.1	290.3	341.6	357.2
82.5°	58.4	140.1	251.3	305.0	313.6
85°	28.0	117.5	228.8	277.8	289.5
87.5°	7.0	99.6	201.5	230.3	230.3
90°	0.8	85.6	167.3	182.9	181.3
92.5°	0.8	75.5	145.5	155.6	152.5
95°	1.6	67.7	130.0	135.4	129.2
97.5°	1.6	63.8	119.8	115.9	106.6
100°	1.6	59.1	108.9	98.8	88.7
102.5°	1.6	52.9	99.6	87.2	78.6
105°	1.6	45.1	91.0	78.6	70.8
107.5°	1.6	35.8	81.7	71.6	65.4
110°	1.6	25.7	73.1	66.1	61.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	15.6	66.1	61.5	57.6
115°	1.6	5.4	59.1	56.0	52.1
117.5°	1.6	2.3	52.1	53.7	49.0
120°	1.6	2.3	43.6	50.6	46.7
122.5°	1.6	2.3	35.8	47.5	45.1
125°	1.6	1.6	27.2	43.6	42.8
127.5°	1.6	1.6	18.7	38.1	39.7
130°	1.6	1.6	9.3	31.1	35.0
132.5°	1.6	1.6	1.6	25.7	28.8
135°	1.6	1.6	1.6	18.7	23.3
137.5°	1.6	1.6	1.6	9.3	17.1
140°	1.6	1.6	1.6	1.6	7.0
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)