

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: P289965

Luminaire Tested: **8SSRK-LW-60-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289965  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-LW-60-L935-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

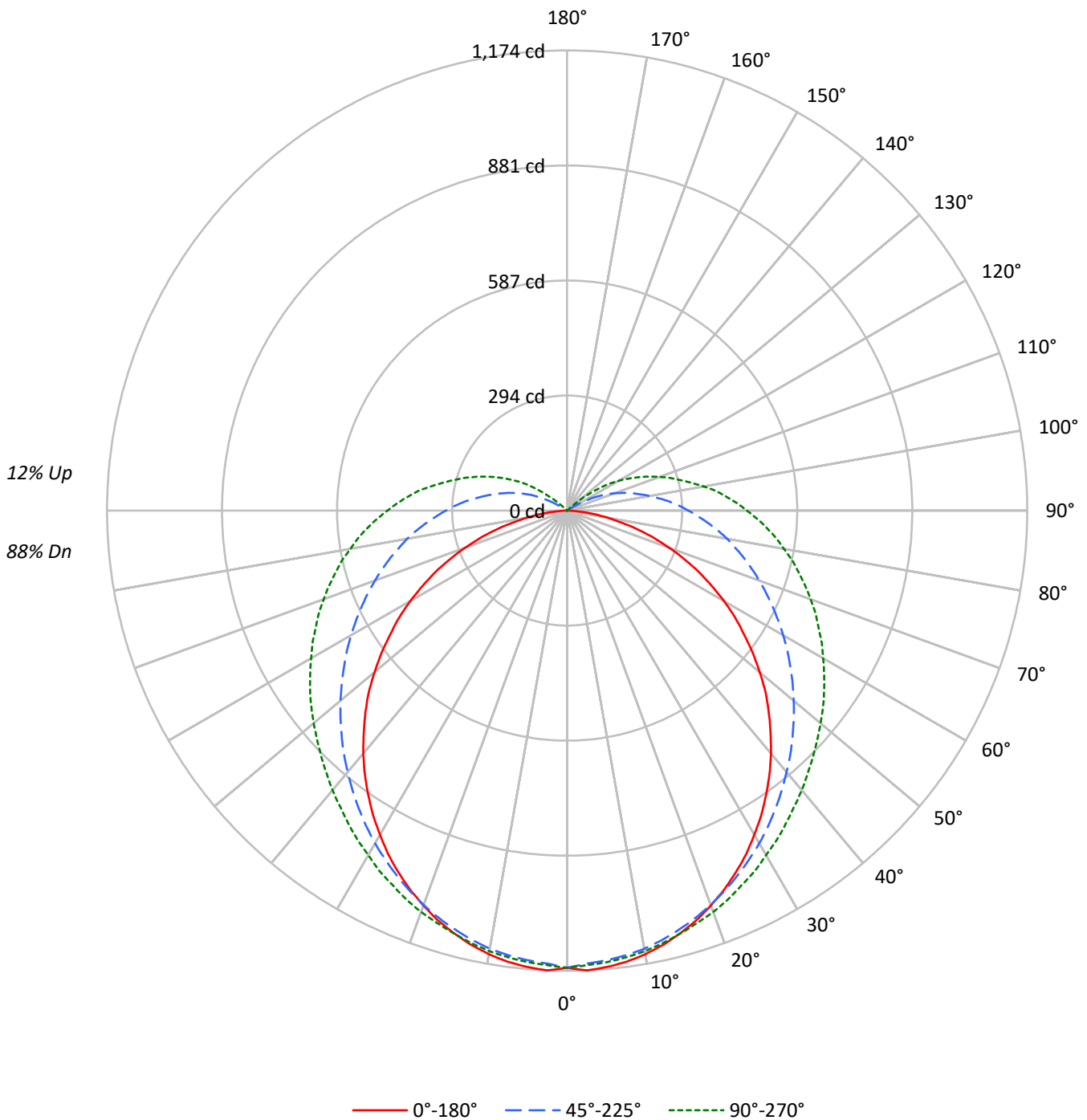
Lumens per Lamp: N/A  
Luminaire Lumens: 4641.5 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 41.3831  
Input Voltage (V): NR  
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17

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

	0°	45°	90°
0°	37665	37665	37665
5°	37821	29896	27772
10°	37544	24791	21945
15°	37105	20992	18019
20°	36557	18082	15248
25°	35940	15744	13108
30°	35175	13841	11435
35°	34378	12220	10099
40°	33529	10841	9012
45°	32554	9668	8103
50°	31431	8640	7355
55°	30124	7734	6716
60°	28798	6936	6143
65°	27106	6223	5644
70°	24764	5588	5203
75°	21659	5017	4791
80°	17246	4504	4408
85°	11192	3984	4058



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.2	2.4
10°-20°	314.4	6.8
20°-30°	476.7	10.3
30°-40°	581.8	12.5
40°-50°	626.6	13.5
50°-60°	615.5	13.3
60°-70°	556.1	12.0
70°-80°	463.0	10.0
80°-90°	355.1	7.7
90°-100°	257.1	5.5
100°-110°	166.1	3.6
110°-120°	89.5	1.9
120°-130°	28.3	0.6
130°-140°	1.1	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°	901.3	19.4
0°-40°	1483.1	32.0
0°-60°	2725.2	58.7
0°-90°	4099.5	88.3
90°-120°	512.7	11.0
90°-150°	542.1	11.7
90°-180°	542.0	11.7
0°-180°	4641.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1169	1165	1152	1160	1157	111
15°	1116	1114	1106	1119	1117	315
25°	1018	1020	1028	1050	1054	469
35°	885	896	927	964	974	554
45°	728	755	814	867	887	561
55°	551	606	695	772	801	494
65°	371	451	578	675	708	366
75°	187	310	467	575	612	198
85°	37	190	360	472	512	45
90°	1	143	309	420	458	2
95°	2	104	262	371	407	2
105°	2	37	171	267	300	3
115°	2	2	86	170	202	2
125°	1	1	1	68	97	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1166.4	1166.4	1166.4	1166.4	1166.4
2.5°	1174.4	1169.5	1156.6	1164.6	1160.9
5°	1168.9	1164.6	1151.7	1160.3	1156.6
7.5°	1160.9	1156.6	1144.3	1152.9	1149.8
10°	1149.2	1144.9	1135.1	1143.7	1141.3
12.5°	1134.5	1131.4	1122.2	1132.7	1130.2
15°	1116.1	1113.6	1106.3	1118.6	1116.7
17.5°	1096.5	1094.0	1089.7	1102.6	1103.2
20°	1071.9	1071.3	1070.7	1087.3	1089.7
22.5°	1046.8	1047.4	1049.8	1070.1	1073.8
25°	1018.5	1019.8	1027.7	1049.8	1054.1
27.5°	988.5	992.8	1004.4	1030.2	1036.9
30°	954.7	962.1	980.5	1007.5	1014.9
32.5°	921.6	929.6	954.1	986.0	995.8
35°	884.8	896.4	927.1	963.9	973.7
37.5°	848.0	861.5	899.5	939.4	951.7
40°	809.3	827.1	870.7	915.5	931.4
42.5°	767.6	792.7	843.1	890.9	908.7
45°	727.7	755.3	813.6	867.0	887.2
47.5°	686.6	719.7	784.2	843.7	865.1
50°	641.2	681.1	754.7	820.4	844.3
52.5°	597.0	644.3	725.2	796.4	822.8
55°	551.0	605.6	695.2	772.5	800.7
57.5°	508.0	566.3	666.3	747.3	777.4
60°	462.0	528.3	636.3	724.0	754.1
62.5°	415.4	490.2	606.8	698.9	732.6
65°	370.6	451.0	578.0	674.9	707.5
67.5°	322.7	415.4	549.8	649.2	686.0
70°	277.3	378.6	521.5	624.6	660.8
72.5°	231.9	343.0	493.9	600.1	636.9
75°	187.1	310.5	466.9	574.9	611.7
77.5°	142.3	276.1	439.3	549.8	588.4
80°	103.7	246.0	414.8	524.0	561.4
82.5°	70.6	217.8	387.2	499.5	537.5
85°	37.4	190.2	360.2	472.5	511.7
87.5°	11.0	165.7	333.8	446.1	485.3
90°	1.2	143.0	309.2	420.3	458.3
92.5°	1.8	123.3	285.9	397.0	433.8
95°	2.5	103.7	262.0	371.2	407.4
97.5°	2.5	86.5	237.5	344.8	383.5
100°	2.5	69.9	214.1	317.8	353.4
102.5°	2.5	54.6	192.0	290.8	325.8
105°	2.5	36.8	170.6	266.9	300.0
107.5°	2.5	18.4	149.7	243.6	276.1
110°	2.5	3.7	128.9	219.7	251.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	2.5	108.6	194.5	226.4
115°	1.8	1.8	85.9	170.0	201.9
117.5°	1.8	1.8	61.4	147.3	176.1
120°	1.8	1.2	35.6	123.3	152.2
122.5°	1.2	1.2	11.7	95.7	127.0
125°	1.2	0.6	0.6	68.1	96.9
127.5°	1.2	0.6	0.0	38.0	65.7
130°	1.2	0.6	0.0	11.0	37.4
132.5°	1.2	0.6	0.0	0.0	8.0
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)