

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: P289781

Luminaire Tested: **8SSRK-TS-50-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-TS-50-L935-CD1-U  
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3908.9 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

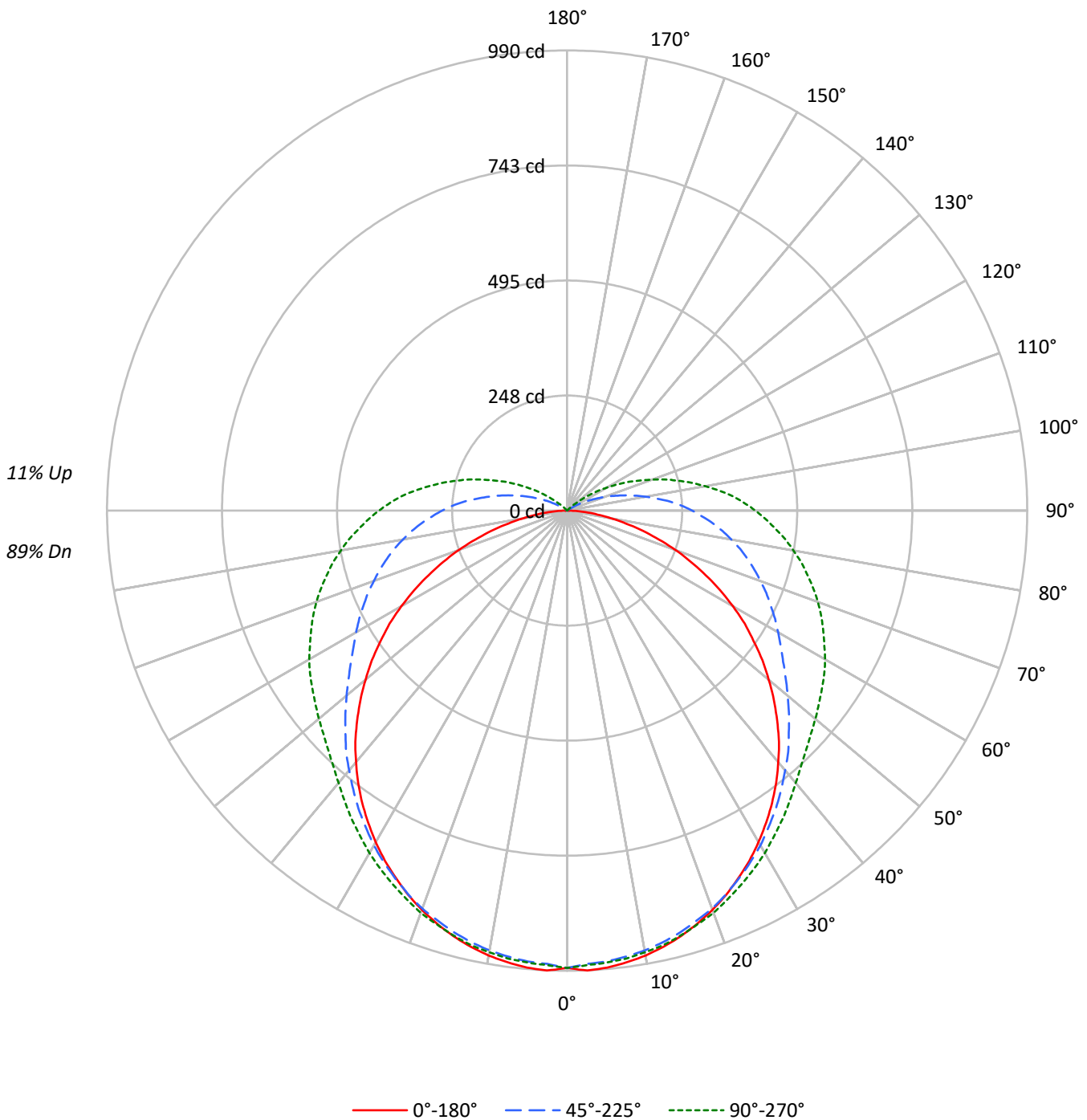
Input Watts (W): 34.1991  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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		92	92	92	89
1	103	97	91	87	99	94	89	84	87	83	79		81	78	75		76	73	71	68
2	93	83	75	68	89	80	73	67	75	68	63		70	65	60		65	61	57	54
3	84	72	63	56	80	69	61	54	65	58	52		61	55	50		57	52	47	45
4	76	63	54	46	73	61	52	45	57	50	44		53	47	42		50	45	40	37
5	70	56	47	39	67	54	45	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		41	35	30	28
7	60	46	36	30	57	44	36	29	42	34	28		39	33	28		37	31	27	24
8	56	41	33	27	53	40	32	26	38	31	25		36	29	25		34	28	24	22
9	52	38	29	24	50	37	29	23	35	28	23		33	27	22		31	26	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°	31772	31772	31772
5°	31932	25275	23440
10°	31758	20987	18555
15°	31503	17827	15266
20°	31172	15392	12889
25°	30774	13385	11035
30°	30345	11742	9585
35°	29859	10318	8389
40°	29282	9085	7402
45°	28581	8016	6642
50°	27765	7092	6072
55°	26784	6314	5611
60°	25669	5713	5221
65°	24071	5203	4849
70°	22192	4740	4521
75°	19553	4315	4193
80°	16215	3895	3879
85°	11910	3483	3565



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.1	2.4
10°-20°	266.7	6.8
20°-30°	405.0	10.4
30°-40°	492.3	12.6
40°-50°	525.4	13.4
50°-60°	515.2	13.2
60°-70°	470.7	12.0
70°-80°	399.5	10.2
80°-90°	310.9	8.0
90°-100°	219.2	5.6
100°-110°	130.3	3.3
110°-120°	61.7	1.6
120°-130°	17.9	0.5
130°-140°	1.0	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°	764.8	19.6
0°-40°	1257.0	32.2
0°-60°	2297.6	58.8
0°-90°	3478.8	89.0
90°-120°	411.2	10.5
90°-150°	430.1	11.0
90°-180°	430.0	11.0
0°-180°	3908.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	984	984	984	984	984	
5°	987	983	974	979	976	94
15°	948	946	940	948	946	267
25°	872	873	874	887	887	402
35°	768	773	783	802	809	481
45°	639	650	675	710	727	493
55°	490	511	568	642	669	439
65°	329	372	483	576	608	326
75°	169	256	402	501	535	179
85°	40	163	315	415	450	45
90°	3	121	269	370	405	4
95°	3	81	222	320	358	3
105°	3	22	127	215	248	3
115°	2	2	52	118	146	2
125°	2	1	3	39	58	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°	983.9	983.9	983.9	983.9	983.9
2.5°	990.5	986.9	976.2	981.8	978.8
5°	986.9	983.4	973.7	979.3	976.2
7.5°	980.3	977.8	968.1	974.2	972.1
10°	972.1	969.6	960.9	968.1	965.0
12.5°	960.9	958.4	951.2	958.4	957.3
15°	947.6	945.6	939.5	947.6	946.1
17.5°	931.8	930.3	925.2	935.4	933.4
20°	914.0	912.9	911.4	920.6	921.1
22.5°	894.6	894.6	893.6	903.8	904.3
25°	872.1	872.6	873.7	887.4	887.4
27.5°	849.2	850.7	853.2	866.5	869.6
30°	823.6	826.2	831.8	846.1	850.7
32.5°	796.6	800.7	806.8	824.7	829.3
35°	768.5	772.6	782.8	802.2	808.8
37.5°	738.4	743.0	756.3	778.2	786.9
40°	706.8	711.9	729.7	757.3	765.0
42.5°	674.6	681.8	703.7	733.3	745.1
45°	638.9	649.6	674.6	710.4	727.2
47.5°	603.2	615.9	647.1	691.0	711.4
50°	566.4	580.7	619.5	673.6	697.1
52.5°	529.7	545.5	592.5	657.3	682.8
55°	489.9	510.8	567.5	641.5	669.0
57.5°	453.2	475.6	545.0	625.6	655.7
60°	411.8	440.4	524.1	609.3	640.9
62.5°	371.0	405.2	504.2	592.5	623.6
65°	329.1	371.5	483.3	575.6	607.8
67.5°	287.8	337.3	463.9	558.3	591.4
70°	248.5	307.7	442.4	540.4	574.1
72.5°	207.2	281.7	422.5	521.5	555.2
75°	168.9	256.2	401.6	501.1	535.3
77.5°	130.1	232.2	381.2	480.7	515.9
80°	97.5	209.7	358.7	459.3	494.0
82.5°	66.3	187.3	336.8	437.3	473.6
85°	39.8	163.3	314.9	414.9	449.6
87.5°	17.9	142.4	290.9	391.9	428.1
90°	3.1	120.9	268.9	370.0	404.7
92.5°	3.6	101.6	246.5	346.5	381.2
95°	3.1	81.1	222.0	320.5	357.7
97.5°	3.1	63.8	196.0	295.0	329.1
100°	2.6	47.5	171.0	267.9	301.6
102.5°	2.6	33.7	148.5	241.4	275.1
105°	2.6	21.9	126.6	214.8	247.5
107.5°	2.6	12.2	105.1	189.3	222.5
110°	2.6	4.6	85.7	166.4	193.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	2.0	66.9	140.8	169.4
115°	2.0	2.0	51.5	117.9	145.9
117.5°	2.0	1.5	35.2	96.4	122.0
120°	2.0	1.5	21.9	77.1	99.0
122.5°	1.5	1.0	10.7	57.2	79.1
125°	1.5	1.0	2.6	39.3	57.7
127.5°	1.5	0.5	0.0	23.5	39.8
130°	1.0	0.5	0.0	11.2	23.5
132.5°	1.0	0.5	0.0	2.0	10.2
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)