

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: P289741

Luminaire Tested: **4SSRK-TS-30-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289741  
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: 4SSRK-TS-30-L935-CD1-U  
Description: 3000 LUMEN, 4 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: 2350.5 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

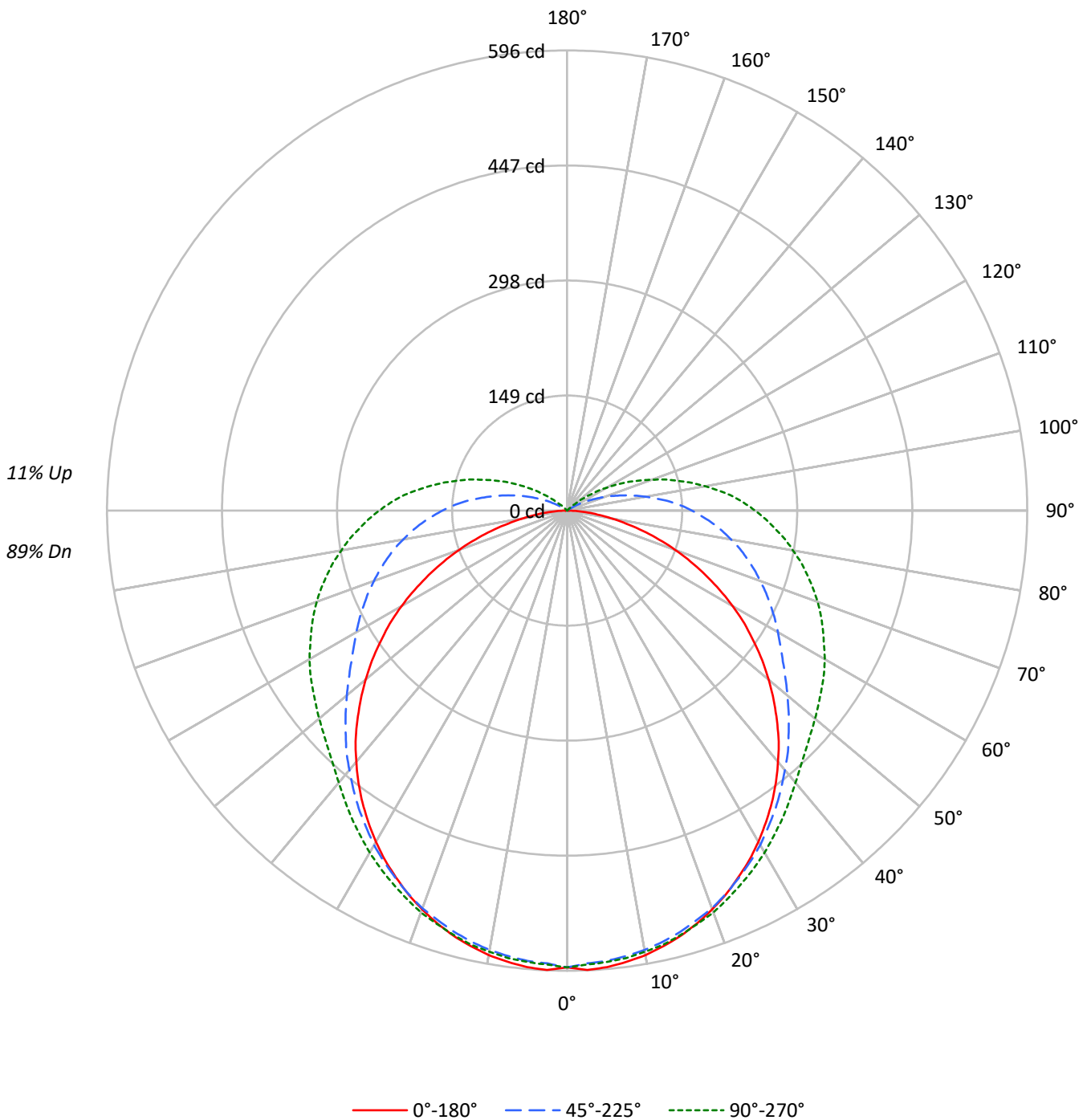
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	38207	38207	38207
5°	38337	30365	28190
10°	38058	25195	22316
15°	37683	21390	18360
20°	37208	18464	15501
25°	36656	16050	13271
30°	36069	14076	11526
35°	35400	12366	10090
40°	34620	10887	8902
45°	33687	9605	7988
50°	32602	8495	7303
55°	31308	7560	6748
60°	29829	6843	6279
65°	27762	6230	5832
70°	25313	5676	5437
75°	21940	5166	5043
80°	17629	4662	4664
85°	11997	4167	4289



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	2.4
10°-20°	160.4	6.8
20°-30°	243.5	10.4
30°-40°	296.0	12.6
40°-50°	315.9	13.4
50°-60°	309.8	13.2
60°-70°	283.1	12.0
70°-80°	240.2	10.2
80°-90°	186.9	8.0
90°-100°	131.8	5.6
100°-110°	78.4	3.3
110°-120°	37.1	1.6
120°-130°	10.7	0.5
130°-140°	0.6	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°	459.9	19.6
0°-40°	755.9	32.2
0°-60°	1381.6	58.8
0°-90°	2091.9	89.0
90°-120°	247.2	10.5
90°-150°	258.6	11.0
90°-180°	259.0	11.0
0°-180°	2350.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	592	592	592	592	592	
5°	594	591	586	589	587	56
15°	570	569	565	570	569	161
25°	524	525	525	534	534	242
35°	462	465	471	482	486	289
45°	384	391	406	427	437	296
55°	295	307	341	386	402	264
65°	198	223	291	346	366	196
75°	102	154	242	301	322	108
85°	24	98	189	250	270	27
90°	2	73	162	222	243	2
95°	2	49	134	193	215	1
105°	2	13	76	129	149	2
115°	1	1	31	71	88	1
125°	1	1	2	24	35	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°	591.6	591.6	591.6	591.6	591.6
2.5°	595.6	593.5	587.0	590.4	588.6
5°	593.5	591.3	585.5	588.9	587.0
7.5°	589.5	588.0	582.1	585.8	584.6
10°	584.6	583.0	577.8	582.1	580.3
12.5°	577.8	576.3	572.0	576.3	575.7
15°	569.9	568.6	564.9	569.9	568.9
17.5°	560.3	559.4	556.4	562.5	561.3
20°	549.6	549.0	548.1	553.6	553.9
22.5°	537.9	537.9	537.3	543.5	543.8
25°	524.4	524.7	525.4	533.6	533.6
27.5°	510.6	511.5	513.1	521.1	522.9
30°	495.3	496.8	500.2	508.8	511.5
32.5°	479.0	481.5	485.2	495.9	498.7
35°	462.1	464.6	470.7	482.4	486.4
37.5°	444.0	446.8	454.8	468.0	473.2
40°	425.0	428.1	438.8	455.4	460.0
42.5°	405.7	410.0	423.2	441.0	448.0
45°	384.2	390.6	405.7	427.2	437.3
47.5°	362.7	370.4	389.1	415.5	427.8
50°	340.6	349.2	372.5	405.1	419.2
52.5°	318.5	328.0	356.3	395.2	410.6
55°	294.6	307.2	341.2	385.7	402.3
57.5°	272.5	286.0	327.7	376.2	394.3
60°	247.6	264.8	315.2	366.4	385.4
62.5°	223.1	243.7	303.2	356.3	375.0
65°	197.9	223.4	290.6	346.1	365.5
67.5°	173.1	202.8	278.9	335.7	355.7
70°	149.4	185.0	266.1	325.0	345.2
72.5°	124.6	169.4	254.1	313.6	333.9
75°	101.6	154.0	241.5	301.3	321.9
77.5°	78.3	139.6	229.2	289.1	310.2
80°	58.6	126.1	215.7	276.2	297.0
82.5°	39.9	112.6	202.5	263.0	284.8
85°	23.9	98.2	189.3	249.5	270.4
87.5°	10.7	85.6	174.9	235.7	257.5
90°	1.8	72.7	161.7	222.5	243.3
92.5°	2.1	61.1	148.2	208.4	229.2
95°	1.8	48.8	133.5	192.7	215.1
97.5°	1.8	38.4	117.8	177.4	197.9
100°	1.5	28.5	102.8	161.1	181.4
102.5°	1.5	20.3	89.3	145.1	165.4
105°	1.5	13.2	76.1	129.2	148.8
107.5°	1.5	7.4	63.2	113.8	133.8
110°	1.5	2.8	51.6	100.0	116.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	1.2	40.2	84.7	101.9
115°	1.2	1.2	31.0	70.9	87.8
117.5°	1.2	0.9	21.2	58.0	73.3
120°	1.2	0.9	13.2	46.3	59.5
122.5°	0.9	0.6	6.4	34.4	47.6
125°	0.9	0.6	1.5	23.6	34.7
127.5°	0.9	0.3	0.0	14.1	23.9
130°	0.6	0.3	0.0	6.8	14.1
132.5°	0.6	0.3	0.0	1.2	6.1
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)