

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: P289644

Luminaire Tested: **4SSRK-20-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-20-L930-CD1-U  
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3000K CCT LEDs  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1739.5 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

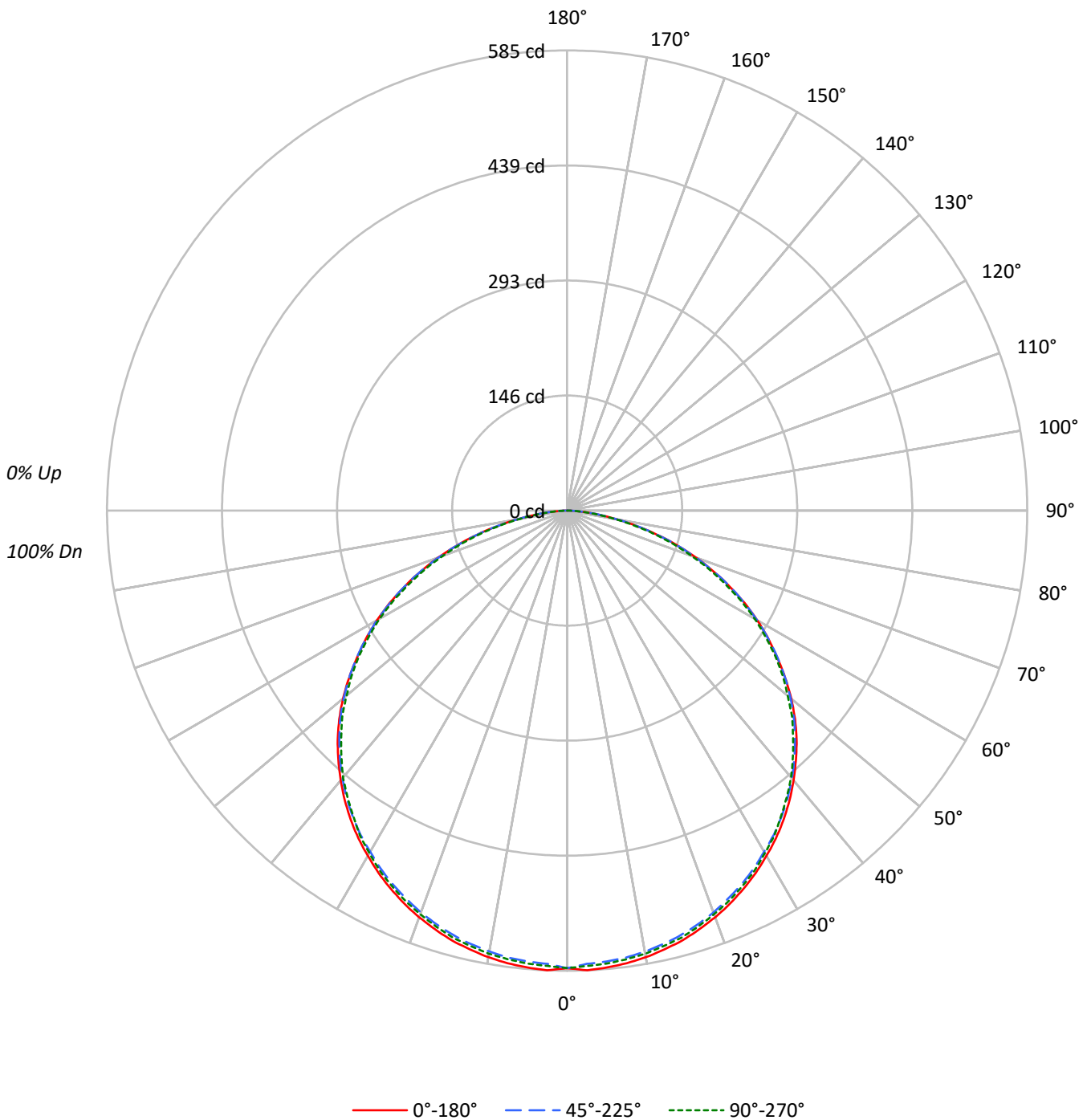
Input Watts (W): 13.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	37561	37561	37561
5°	37665	29842	27753
10°	37537	24825	21997
15°	37419	21159	18134
20°	37249	18316	15285
25°	37083	16020	13104
30°	36906	14096	11330
35°	36748	12481	9834
40°	36469	11028	8575
45°	36177	9700	7420
50°	35608	8454	6375
55°	34677	7239	5420
60°	33624	6059	4488
65°	31942	4885	3544
70°	29566	3690	2646
75°	25547	2524	1791
80°	19614	1409	967
85°	11695	508	319



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.1	3.2
10°-20°	158.8	9.1
20°-30°	243.3	14.0
30°-40°	298.3	17.1
40°-50°	316.0	18.2
50°-60°	291.4	16.8
60°-70°	223.9	12.9
70°-80°	124.1	7.1
80°-90°	28.6	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	457.3	26.3
0°-40°	755.6	43.4
0°-60°	1362.9	78.4
0°-90°	1739.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1739.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	583	581	575	581	578	55
15°	566	563	559	564	562	160
25°	530	529	524	530	527	245
35°	480	477	475	477	474	300
45°	413	411	410	409	406	318
55°	326	329	327	325	323	292
65°	228	228	228	225	222	225
75°	118	118	118	116	114	125
85°	23	24	23	22	20	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	581.6	581.6	581.6	581.6	581.6
2.5°	585.0	582.1	576.8	582.1	579.5
5°	583.1	580.6	575.4	581.0	577.9
7.5°	580.4	578.3	573.1	578.5	575.4
10°	576.6	574.3	569.3	575.1	572.0
12.5°	571.4	569.3	564.5	569.9	567.2
15°	565.9	563.2	558.8	563.8	561.9
17.5°	558.2	556.1	551.7	556.5	554.4
20°	550.2	548.1	543.7	548.5	546.2
22.5°	541.0	538.9	534.3	539.5	537.2
25°	530.5	528.6	524.4	529.7	526.9
27.5°	519.4	517.9	513.3	517.7	516.0
30°	506.8	505.9	500.9	504.3	502.8
32.5°	494.0	492.3	488.8	491.5	490.0
35°	479.7	477.4	475.1	476.8	474.1
37.5°	464.4	462.8	460.4	461.9	458.8
40°	447.7	446.4	444.5	444.9	443.1
42.5°	430.5	429.0	427.5	426.7	424.8
45°	412.6	411.2	409.7	409.1	406.2
47.5°	393.1	392.1	391.1	389.8	387.7
50°	372.0	372.4	370.7	369.5	365.9
52.5°	349.5	351.8	349.3	347.6	345.5
55°	326.3	328.8	326.7	325.4	323.1
57.5°	303.4	304.5	303.2	302.2	299.2
60°	279.1	280.1	279.1	277.0	275.5
62.5°	254.1	255.2	253.3	251.8	249.7
65°	227.7	228.3	227.9	224.8	222.1
67.5°	201.1	202.1	200.9	198.8	196.1
70°	174.5	174.0	173.0	171.5	168.0
72.5°	146.4	146.4	146.2	143.4	141.7
75°	118.3	118.5	118.0	116.0	114.3
77.5°	90.2	92.3	90.8	88.9	87.0
80°	65.2	66.5	65.2	62.7	61.6
82.5°	41.7	43.6	42.4	40.0	39.6
85°	23.3	23.7	23.1	22.0	20.1
87.5°	8.8	9.2	9.4	7.6	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)