

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: P289652

Luminaire Tested: **4SSRK-30-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289652  
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-30-L930-CD1-U  
Description: 3000 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: 2630.4 lumens  
Efficiency: N/A  
Efficacy: 128.9 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

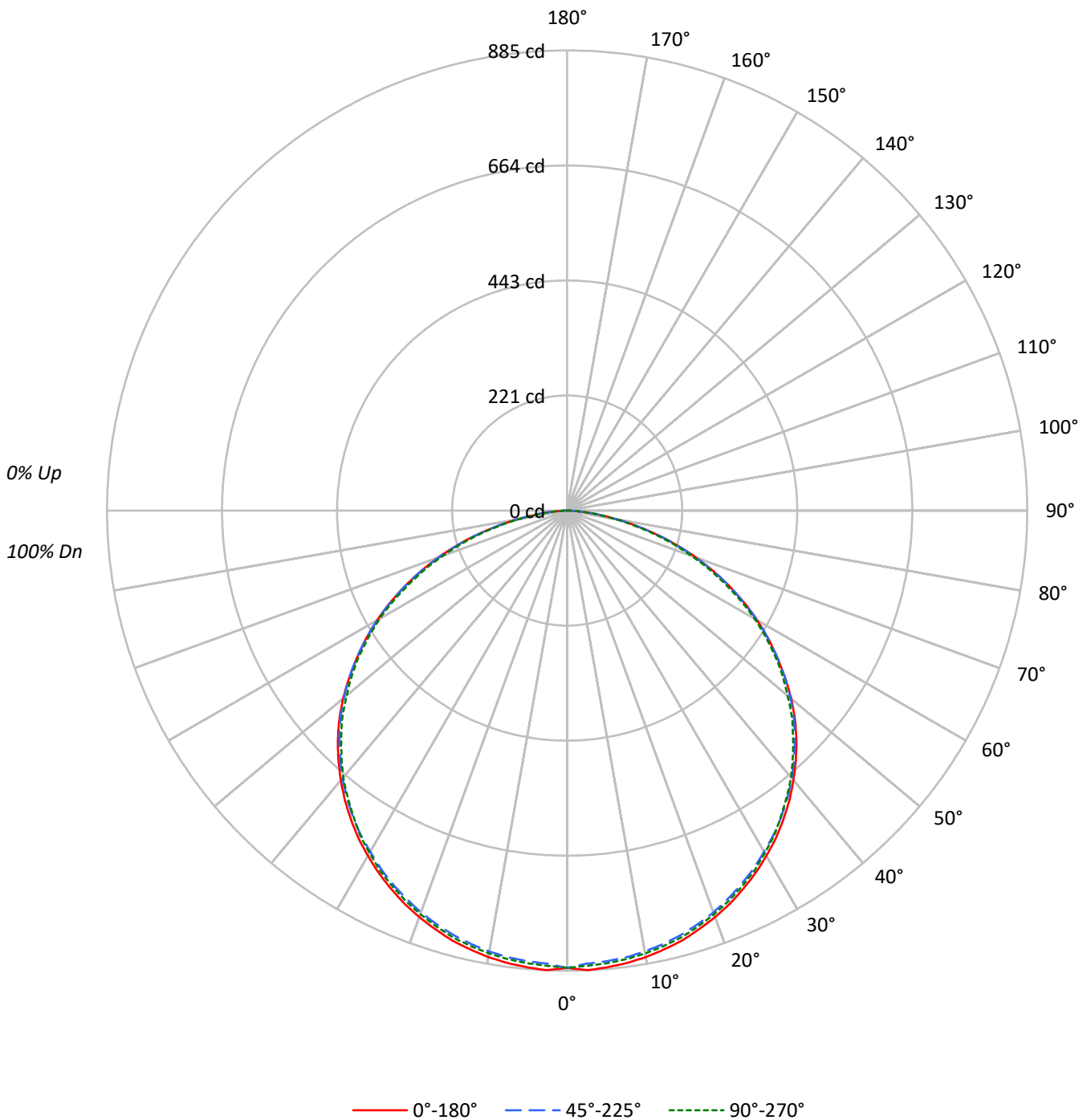
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	56794	56794	56794
5°	56953	45126	41968
10°	56762	37540	33261
15°	56581	31996	27418
20°	56327	27698	23113
25°	56075	24225	19814
30°	55811	21314	17133
35°	55563	18873	14871
40°	55148	16675	12968
45°	54695	14666	11221
50°	53852	12782	9640
55°	52446	10946	8196
60°	50851	9163	6787
65°	48299	7387	5359
70°	44713	5580	4002
75°	38633	3816	2709
80°	29662	2131	1462
85°	17719	770	482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.3	3.2
10°-20°	240.1	9.1
20°-30°	368.0	14.0
30°-40°	451.1	17.1
40°-50°	477.8	18.2
50°-60°	440.6	16.8
60°-70°	338.6	12.9
70°-80°	187.7	7.1
80°-90°	43.2	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°	691.4	26.3
0°-40°	1142.5	43.4
0°-60°	2061.0	78.4
0°-90°	2630.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2630.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	879	879	879	879	879	
5°	882	878	870	878	874	84
15°	856	852	845	852	850	241
25°	802	799	793	801	797	370
35°	725	722	718	721	717	454
45°	624	622	620	619	614	481
55°	494	497	494	492	489	441
65°	344	345	345	340	336	340
75°	179	179	178	176	173	189
85°	35	36	35	33	30	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	879.4	879.4	879.4	879.4	879.4
2.5°	884.6	880.3	872.2	880.3	876.2
5°	881.7	878.0	870.1	878.5	873.9
7.5°	877.7	874.5	866.7	874.8	870.1
10°	871.9	868.4	860.9	869.6	864.9
12.5°	864.1	860.9	853.7	861.8	857.7
15°	855.7	851.6	845.0	852.5	849.6
17.5°	844.1	840.9	834.3	841.5	838.3
20°	832.0	828.8	822.2	829.4	825.9
22.5°	818.1	814.9	808.0	815.8	812.3
25°	802.2	799.3	793.0	801.1	796.7
27.5°	785.4	783.1	776.2	782.8	780.2
30°	766.4	764.9	757.4	762.6	760.3
32.5°	747.0	744.4	739.2	743.2	740.9
35°	725.3	721.8	718.4	721.0	716.9
37.5°	702.2	699.9	696.1	698.4	693.8
40°	677.0	675.0	672.1	672.7	670.1
42.5°	651.0	648.7	646.4	645.2	642.3
45°	623.8	621.8	619.5	618.6	614.3
47.5°	594.4	592.9	591.5	589.4	586.3
50°	562.6	563.1	560.5	558.8	553.3
52.5°	528.4	531.9	528.2	525.6	522.4
55°	493.5	497.2	494.0	492.0	488.6
57.5°	458.8	460.5	458.5	457.0	452.4
60°	422.1	423.5	422.1	418.9	416.6
62.5°	384.2	385.9	383.0	380.7	377.5
65°	344.3	345.2	344.6	340.0	335.9
67.5°	304.1	305.6	303.8	300.6	296.6
70°	263.9	263.1	261.6	259.3	254.1
72.5°	221.4	221.4	221.2	216.8	214.2
75°	178.9	179.2	178.4	175.5	172.9
77.5°	136.4	139.6	137.3	134.4	131.5
80°	98.6	100.6	98.6	94.8	93.1
82.5°	63.0	65.9	64.2	60.4	59.8
85°	35.3	35.8	35.0	33.2	30.4
87.5°	13.3	13.9	14.2	11.6	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)