

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: P289646

Luminaire Tested: **4SSRK-20-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289646
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-L940-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 4000K CCT LEDs
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1891.2 lumens
Efficiency: N/A
Efficacy: 138.0 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

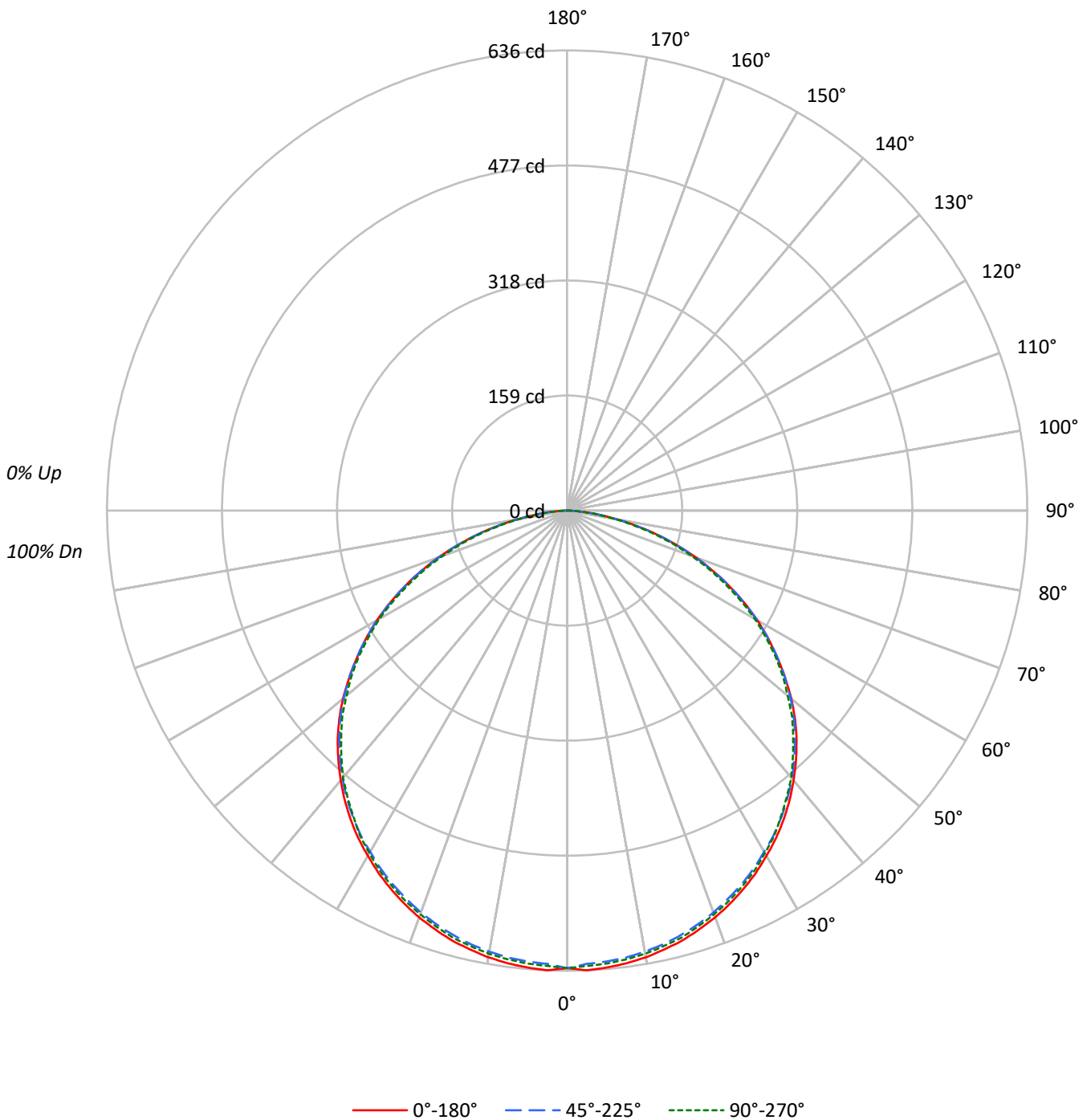
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	40836	40836	40836
5°	40946	32445	30173
10°	40812	26992	23916
15°	40679	23003	19715
20°	40499	19912	16618
25°	40319	17416	14246
30°	40125	15326	12317
35°	39950	13569	10693
40°	39654	11988	9324
45°	39325	10545	8068
50°	38719	9190	6931
55°	37706	7871	5893
60°	36563	6589	4879
65°	34720	5312	3853
70°	32158	4013	2877
75°	27793	2742	1947
80°	21329	1532	1051
85°	12750	552	346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	3.2
10°-20°	172.6	9.1
20°-30°	264.6	14.0
30°-40°	324.3	17.1
40°-50°	343.6	18.2
50°-60°	316.8	16.8
60°-70°	243.4	12.9
70°-80°	134.9	7.1
80°-90°	31.0	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°	497.1	26.3
0°-40°	821.4	43.4
0°-60°	1481.8	78.4
0°-90°	1891.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1891.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	634	631	626	632	628	60
15°	615	612	608	613	611	174
25°	577	575	570	576	573	266
35°	522	519	516	518	516	326
45°	448	447	445	445	442	346
55°	355	358	355	354	351	317
65°	248	248	248	244	242	245
75°	129	129	128	126	124	136
85°	25	26	25	24	22	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	632.3	632.3	632.3	632.3	632.3
2.5°	636.0	632.9	627.1	632.9	630.0
5°	633.9	631.2	625.6	631.6	628.3
7.5°	631.0	628.7	623.1	628.9	625.6
10°	626.9	624.4	619.0	625.2	621.9
12.5°	621.2	619.0	613.8	619.6	616.7
15°	615.2	612.3	607.5	612.9	610.9
17.5°	606.9	604.6	599.8	605.0	602.7
20°	598.2	595.9	591.1	596.3	593.8
22.5°	588.2	585.9	580.9	586.5	584.0
25°	576.8	574.7	570.1	575.9	572.8
27.5°	564.7	563.0	558.1	562.8	561.0
30°	551.0	550.0	544.6	548.3	546.6
32.5°	537.1	535.2	531.5	534.4	532.7
35°	521.5	519.0	516.5	518.4	515.5
37.5°	504.9	503.2	500.5	502.2	498.8
40°	486.8	485.3	483.2	483.7	481.8
42.5°	468.1	466.4	464.7	463.9	461.8
45°	448.5	447.1	445.4	444.8	441.7
47.5°	427.3	426.3	425.2	423.8	421.5
50°	404.5	404.9	403.0	401.8	397.8
52.5°	379.9	382.4	379.7	377.9	375.6
55°	354.8	357.5	355.2	353.8	351.3
57.5°	329.8	331.1	329.6	328.6	325.3
60°	303.5	304.5	303.5	301.2	299.5
62.5°	276.2	277.5	275.4	273.7	271.4
65°	247.5	248.2	247.8	244.4	241.5
67.5°	218.7	219.7	218.4	216.2	213.2
70°	189.8	189.1	188.1	186.4	182.7
72.5°	159.2	159.2	159.0	155.9	154.0
75°	128.7	128.9	128.2	126.2	124.3
77.5°	98.1	100.4	98.7	96.6	94.6
80°	70.9	72.3	70.9	68.2	66.9
82.5°	45.3	47.4	46.1	43.4	43.0
85°	25.4	25.8	25.1	23.9	21.8
87.5°	9.6	10.0	10.2	8.3	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)