

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: P289645

Luminaire Tested: **4SSRK-20-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289645
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-L935-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3500K CCT LEDs
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1846.5 lumens
Efficiency: N/A
Efficacy: 134.8 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

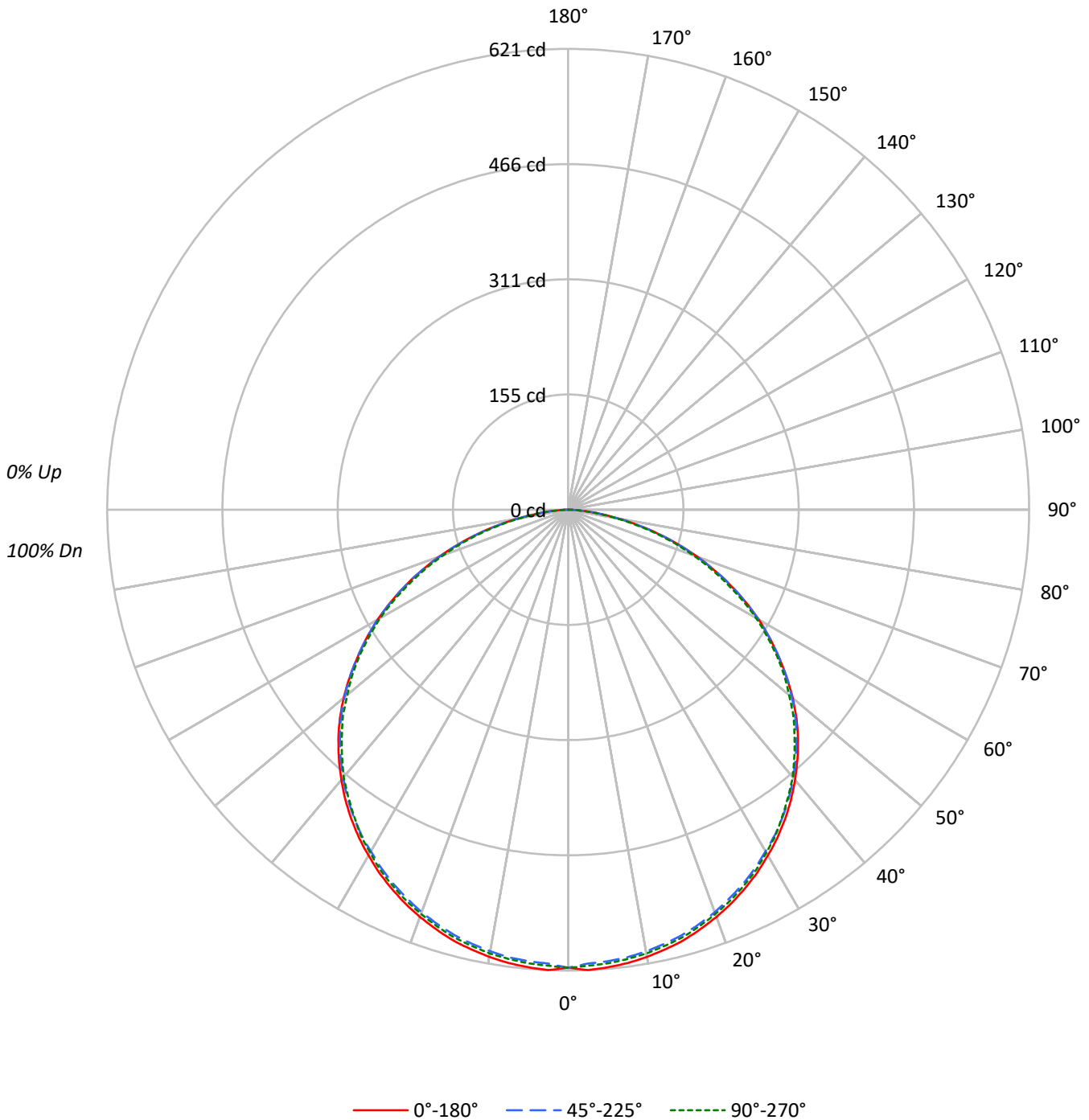
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39867	39867	39867
5°	39977	31678	29463
10°	39842	26351	23351
15°	39720	22462	19247
20°	39537	19441	16226
25°	39361	17003	13910
30°	39178	14963	12026
35°	39000	13248	10440
40°	38717	11706	9103
45°	38395	10296	7877
50°	37800	8974	6767
55°	36813	7685	5752
60°	35696	6432	4764
65°	33906	5186	3762
70°	31396	3919	2810
75°	27123	2678	1902
80°	20818	1496	1025
85°	12448	541	338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	3.2
10°-20°	168.6	9.1
20°-30°	258.3	14.0
30°-40°	316.6	17.1
40°-50°	335.4	18.2
50°-60°	309.3	16.8
60°-70°	237.7	12.9
70°-80°	131.7	7.1
80°-90°	30.3	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°	485.4	26.3
0°-40°	802.0	43.4
0°-60°	1446.7	78.4
0°-90°	1846.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1846.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	619	616	611	617	614	59
15°	601	598	593	598	596	170
25°	563	561	557	562	559	260
35°	509	507	504	506	503	319
45°	438	436	435	434	431	337
55°	346	349	347	345	343	310
65°	242	242	242	239	236	239
75°	126	126	125	123	121	133
85°	25	25	25	23	21	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	617.3	617.3	617.3	617.3	617.3
2.5°	621.0	617.9	612.2	617.9	615.1
5°	618.9	616.3	610.8	616.7	613.5
7.5°	616.1	613.9	608.4	614.1	610.8
10°	612.0	609.6	604.3	610.4	607.2
12.5°	606.6	604.3	599.2	604.9	602.1
15°	600.7	597.8	593.2	598.4	596.4
17.5°	592.6	590.3	585.7	590.7	588.5
20°	584.0	581.8	577.1	582.2	579.8
22.5°	574.3	572.1	567.2	572.7	570.2
25°	563.1	561.1	556.6	562.3	559.3
27.5°	551.4	549.7	544.9	549.5	547.7
30°	538.0	536.9	531.7	535.3	533.7
32.5°	524.4	522.5	518.9	521.7	520.1
35°	509.1	506.7	504.3	506.1	503.3
37.5°	492.9	491.3	488.7	490.3	487.0
40°	475.3	473.8	471.8	472.2	470.4
42.5°	457.0	455.4	453.7	452.9	450.9
45°	437.9	436.5	434.9	434.3	431.2
47.5°	417.2	416.2	415.2	413.8	411.5
50°	394.9	395.3	393.5	392.3	388.4
52.5°	371.0	373.4	370.8	368.9	366.7
55°	346.4	349.0	346.8	345.4	342.9
57.5°	322.0	323.3	321.8	320.8	317.6
60°	296.3	297.3	296.3	294.0	292.4
62.5°	269.7	270.9	268.9	267.3	265.0
65°	241.7	242.3	241.9	238.6	235.8
67.5°	213.5	214.5	213.3	211.0	208.2
70°	185.3	184.7	183.7	182.0	178.4
72.5°	155.4	155.4	155.2	152.2	150.4
75°	125.6	125.8	125.2	123.2	121.4
77.5°	95.8	98.0	96.4	94.4	92.3
80°	69.2	70.6	69.2	66.6	65.3
82.5°	44.2	46.3	45.1	42.4	42.0
85°	24.8	25.2	24.6	23.3	21.3
87.5°	9.3	9.7	9.9	8.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)