

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: P289653

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289653
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-L935-CD1-U
Description: 3000 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: 2792.1 lumens
Efficiency: N/A
Efficacy: 136.9 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

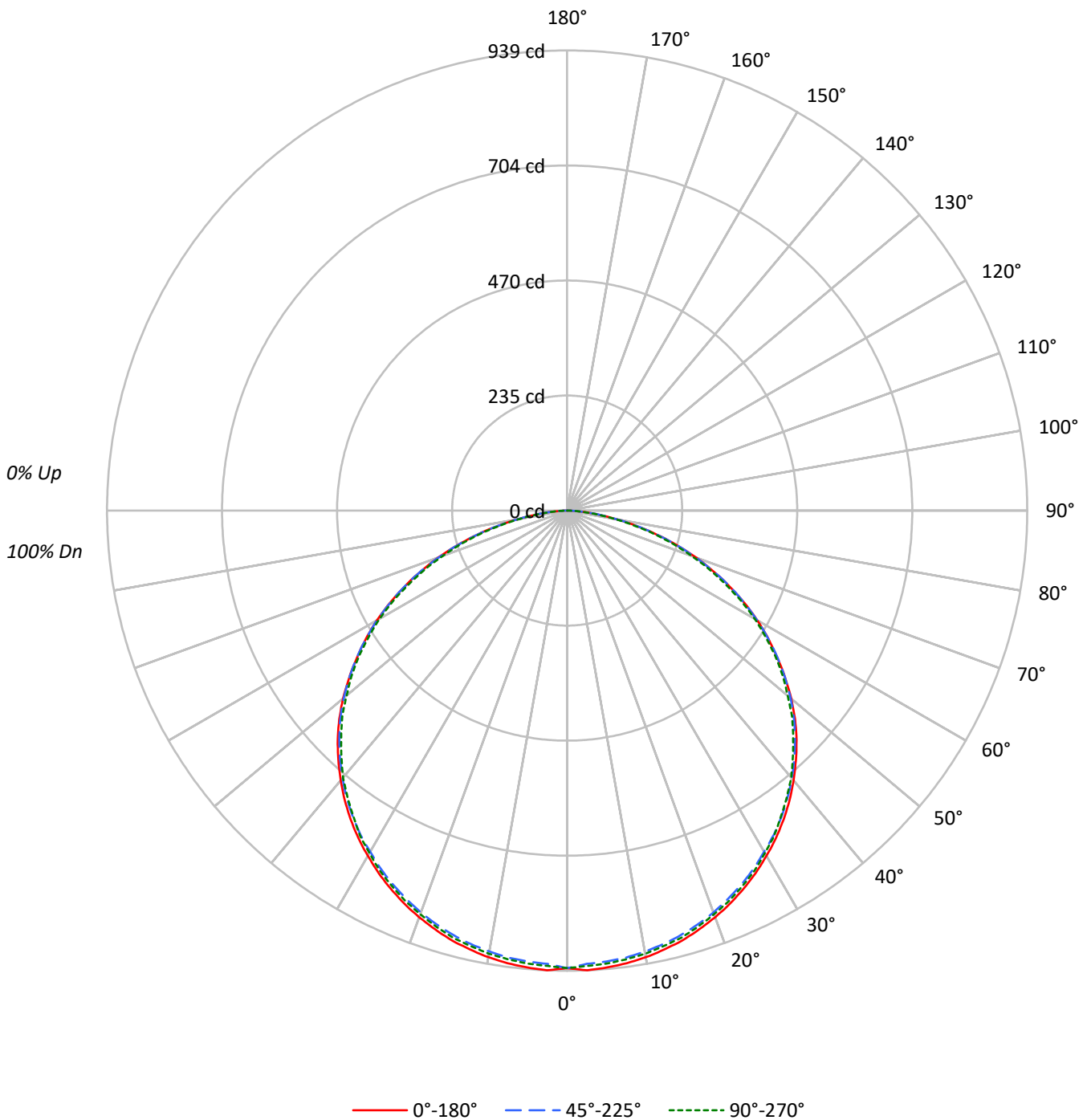
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	60288	60288	60288
5°	60454	47900	44547
10°	60251	39847	35307
15°	60060	33961	29106
20°	59787	29399	24535
25°	59521	25713	21033
30°	59241	22626	18185
35°	58979	20031	15786
40°	58545	17700	13765
45°	58062	15569	11912
50°	57154	13569	10232
55°	55666	11620	8699
60°	53971	9725	7204
65°	51273	7842	5690
70°	47475	5924	4248
75°	41009	4049	2875
80°	31467	2261	1551
85°	18773	817	511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	3.2
10°-20°	254.9	9.1
20°-30°	390.6	14.0
30°-40°	478.8	17.1
40°-50°	507.2	18.2
50°-60°	467.7	16.8
60°-70°	359.4	12.9
70°-80°	199.2	7.1
80°-90°	45.8	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°	734.0	26.3
0°-40°	1212.8	43.4
0°-60°	2187.7	78.4
0°-90°	2792.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2792.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	936	932	924	932	928	89
15°	908	904	897	905	902	256
25°	852	848	842	850	846	393
35°	770	766	762	765	761	482
45°	662	660	658	657	652	510
55°	524	528	524	522	519	468
65°	366	366	366	361	357	361
75°	190	190	189	186	184	201
85°	37	38	37	35	32	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.5	933.5	933.5	933.5	933.5
2.5°	939.0	934.4	925.8	934.4	930.1
5°	935.9	931.9	923.6	932.5	927.6
7.5°	931.6	928.2	920.0	928.6	923.6
10°	925.5	921.8	913.8	923.0	918.1
12.5°	917.2	913.8	906.2	914.7	910.4
15°	908.3	904.0	896.9	904.9	901.9
17.5°	896.0	892.7	885.6	893.3	889.9
20°	883.1	879.8	872.7	880.4	876.7
22.5°	868.4	865.0	857.7	866.0	862.3
25°	851.5	848.5	841.7	850.3	845.7
27.5°	833.7	831.3	823.9	831.0	828.2
30°	813.5	811.9	804.0	809.5	807.0
32.5°	792.9	790.2	784.6	788.9	786.5
35°	769.9	766.2	762.5	765.3	761.0
37.5°	745.4	742.9	738.9	741.4	736.5
40°	718.7	716.5	713.4	714.1	711.3
42.5°	691.0	688.6	686.1	684.9	681.8
45°	662.2	660.1	657.6	656.7	652.1
47.5°	630.9	629.4	627.8	625.7	622.3
50°	597.1	597.8	595.0	593.2	587.3
52.5°	560.9	564.6	560.6	557.9	554.5
55°	523.8	527.8	524.4	522.3	518.6
57.5°	487.0	488.8	486.7	485.1	480.2
60°	448.0	449.5	448.0	444.6	442.2
62.5°	407.8	409.7	406.6	404.1	400.8
65°	365.5	366.4	365.8	360.9	356.6
67.5°	322.8	324.3	322.5	319.1	314.8
70°	280.2	279.2	277.7	275.3	269.7
72.5°	235.1	235.1	234.7	230.1	227.4
75°	189.9	190.3	189.3	186.3	183.5
77.5°	144.8	148.2	145.8	142.7	139.6
80°	104.6	106.8	104.6	100.6	98.8
82.5°	66.9	70.0	68.1	64.1	63.5
85°	37.4	38.1	37.1	35.3	32.2
87.5°	14.1	14.7	15.0	12.3	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)