

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: P289656

Luminaire Tested: **4SSRK-30-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289656
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-L830-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3267.6 lumens
Efficiency: N/A
Efficacy: 160.2 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

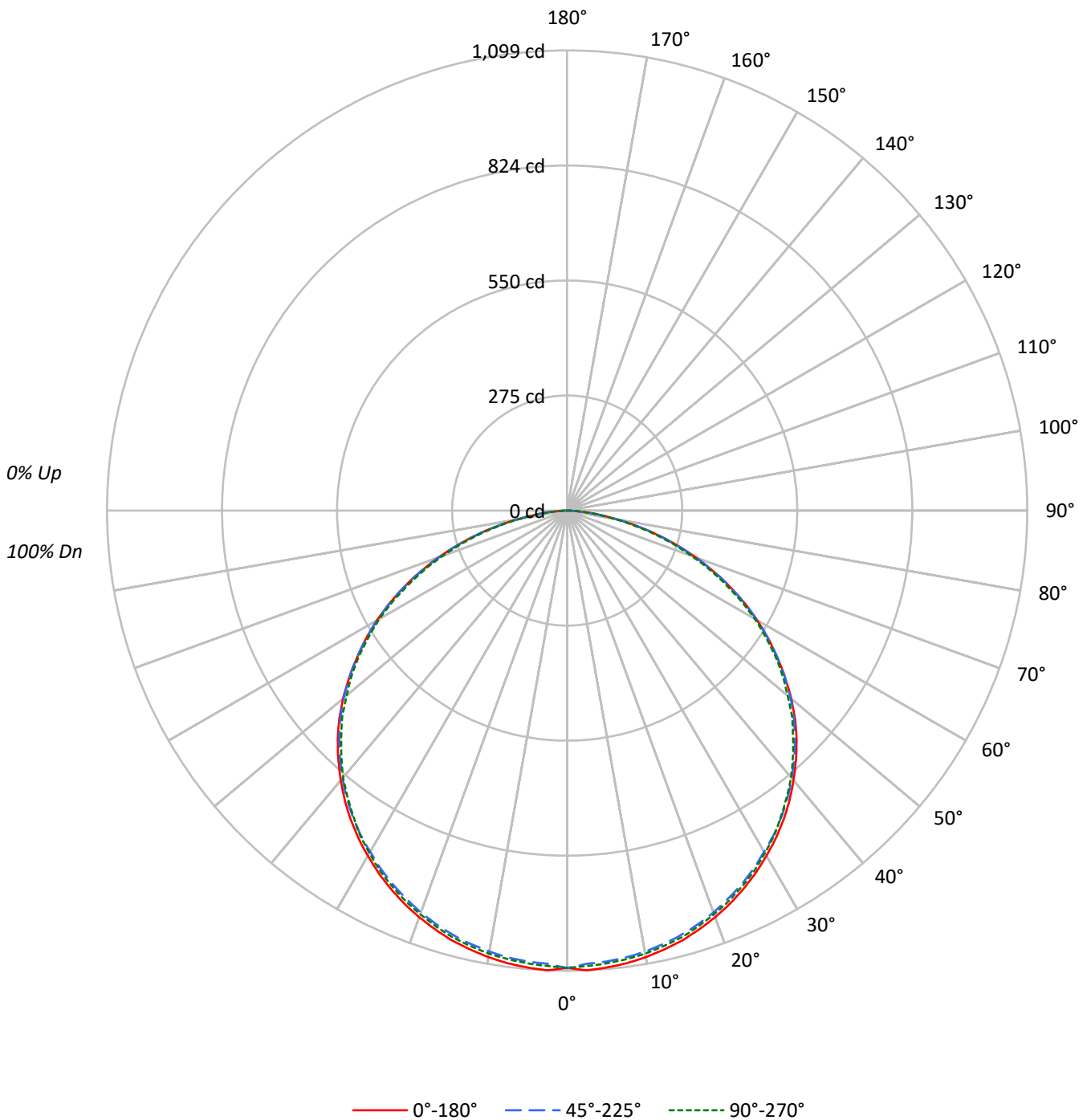
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	70550	70550	70550
5°	70750	56058	52134
10°	70511	46632	41321
15°	70289	39747	34060
20°	69969	34405	28713
25°	69657	30090	24614
30°	69327	26478	21283
35°	69022	23444	18474
40°	68507	20714	16109
45°	67953	18220	13939
50°	66889	15879	11974
55°	65145	13599	10180
60°	63163	11382	8431
65°	59998	9177	6658
70°	55557	6933	4972
75°	48005	4740	3363
80°	36852	2648	1815
85°	21985	957	598



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	3.2
10°-20°	298.3	9.1
20°-30°	457.1	14.0
30°-40°	560.3	17.1
40°-50°	593.6	18.2
50°-60°	547.4	16.8
60°-70°	420.6	12.9
70°-80°	233.1	7.1
80°-90°	53.6	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°	858.9	26.3
0°-40°	1419.3	43.4
0°-60°	2560.2	78.4
0°-90°	3267.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3267.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1092	1092	1092	1092	1092	
5°	1095	1091	1081	1091	1086	104
15°	1063	1058	1050	1059	1055	300
25°	996	993	985	995	990	460
35°	901	897	892	896	891	564
45°	775	772	770	768	763	597
55°	613	618	614	611	607	548
65°	428	429	428	422	417	423
75°	222	223	222	218	215	235
85°	44	44	44	41	38	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1092.4	1092.4	1092.4	1092.4	1092.4
2.5°	1098.9	1093.5	1083.4	1093.5	1088.5
5°	1095.3	1090.6	1080.9	1091.3	1085.6
7.5°	1090.3	1086.3	1076.6	1086.7	1080.9
10°	1083.1	1078.8	1069.4	1080.2	1074.5
12.5°	1073.4	1069.4	1060.5	1070.5	1065.5
15°	1063.0	1057.9	1049.7	1059.0	1055.4
17.5°	1048.6	1044.7	1036.4	1045.4	1041.4
20°	1033.5	1029.6	1021.3	1030.3	1026.0
22.5°	1016.3	1012.3	1003.7	1013.4	1009.1
25°	996.5	992.9	985.0	995.1	989.7
27.5°	975.7	972.8	964.2	972.5	969.2
30°	952.0	950.2	940.9	947.3	944.5
32.5°	927.9	924.7	918.3	923.3	920.4
35°	901.0	896.7	892.4	895.6	890.6
37.5°	872.3	869.4	864.7	867.6	861.9
40°	841.0	838.5	834.9	835.7	832.4
42.5°	808.7	805.8	803.0	801.5	797.9
45°	775.0	772.5	769.6	768.5	763.1
47.5°	738.3	736.5	734.7	732.2	728.3
50°	698.8	699.6	696.3	694.2	687.3
52.5°	656.5	660.8	656.1	652.9	648.9
55°	613.0	617.7	613.7	611.2	606.9
57.5°	569.9	572.1	569.6	567.8	562.0
60°	524.3	526.1	524.3	520.4	517.5
62.5°	477.3	479.4	475.8	473.0	469.0
65°	427.7	428.8	428.1	422.3	417.3
67.5°	377.8	379.6	377.4	373.5	368.4
70°	327.9	326.8	325.0	322.1	315.7
72.5°	275.1	275.1	274.7	269.3	266.1
75°	222.3	222.6	221.6	218.0	214.7
77.5°	169.5	173.5	170.6	167.0	163.4
80°	122.5	125.0	122.5	117.8	115.6
82.5°	78.3	81.9	79.7	75.1	74.3
85°	43.8	44.5	43.5	41.3	37.7
87.5°	16.5	17.2	17.6	14.4	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)