

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: P289660

Luminaire Tested: **4SSRK-40-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289660
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-40-L930-CD1-U
Description: 4000 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: 3497.6 lumens
Efficiency: N/A
Efficacy: 126.3 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

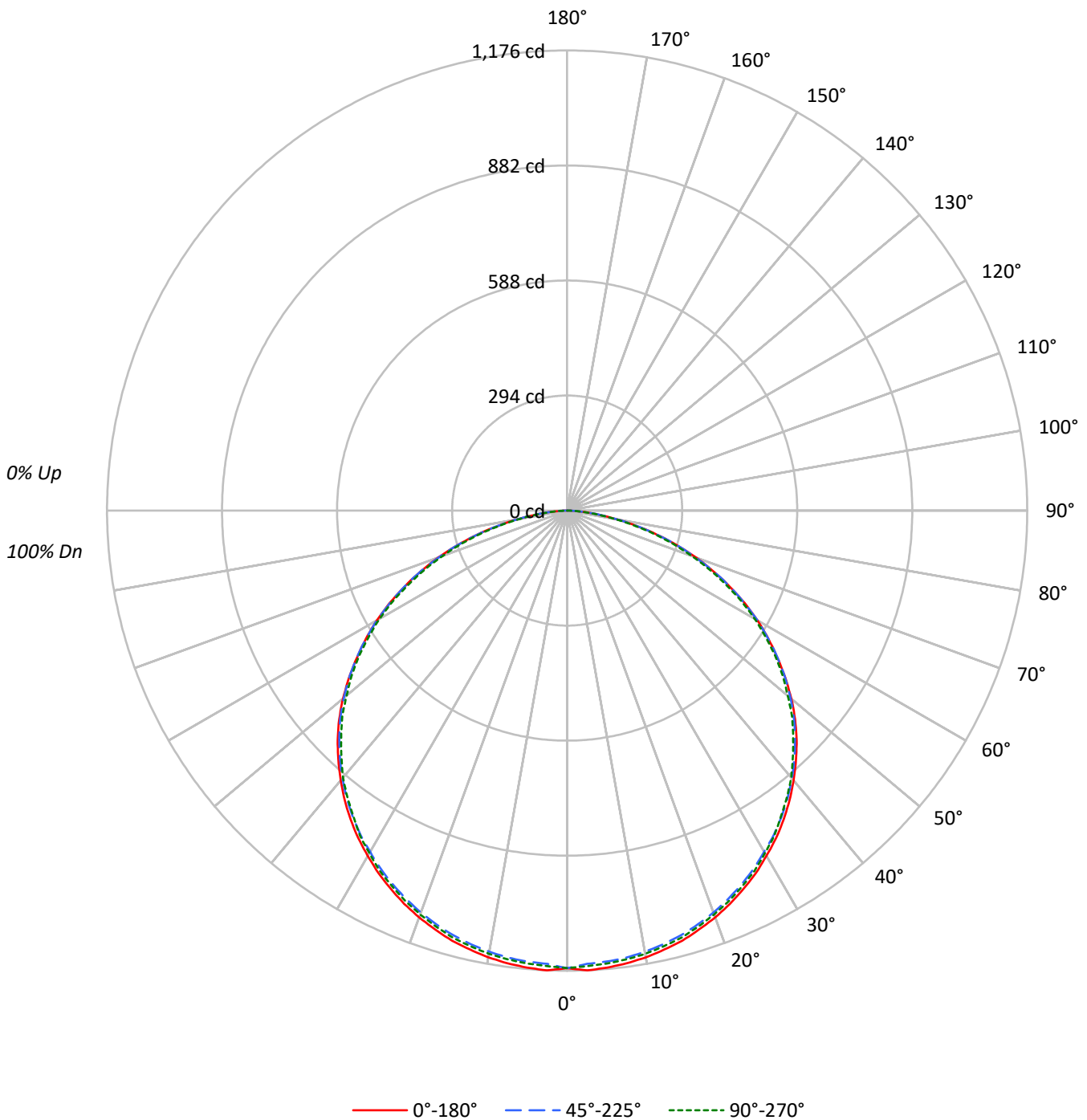
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	75517	75517	75517
5°	75730	60005	55803
10°	75472	49915	44228
15°	75235	42545	36458
20°	74898	36827	30733
25°	74564	32211	26348
30°	74206	28341	22780
35°	73879	25094	19775
40°	73329	22173	17243
45°	72731	19501	14920
50°	71599	16996	12817
55°	69726	14556	10896
60°	67609	12183	9024
65°	64221	9822	7127
70°	59454	7421	5322
75°	51374	5074	3602
80°	39439	2834	1944
85°	23541	1024	641



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	3.2
10°-20°	319.3	9.1
20°-30°	489.3	14.0
30°-40°	599.8	17.1
40°-50°	635.4	18.2
50°-60°	585.9	16.8
60°-70°	450.2	12.9
70°-80°	249.5	7.1
80°-90°	57.4	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°	919.4	26.3
0°-40°	1519.2	43.4
0°-60°	2740.4	78.4
0°-90°	3497.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3497.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1172	1167	1157	1168	1162	111
15°	1138	1132	1124	1134	1130	321
25°	1067	1063	1054	1065	1059	492
35°	964	960	955	959	953	603
45°	830	827	824	823	817	639
55°	656	661	657	654	650	587
65°	458	459	458	452	447	453
75°	238	238	237	233	230	252
85°	47	48	46	44	40	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1169.3	1169.3	1169.3	1169.3	1169.3
2.5°	1176.2	1170.4	1159.7	1170.4	1165.1
5°	1172.4	1167.4	1157.0	1168.1	1162.0
7.5°	1167.0	1162.8	1152.4	1163.1	1157.0
10°	1159.3	1154.7	1144.7	1156.2	1150.1
12.5°	1148.9	1144.7	1135.1	1145.8	1140.5
15°	1137.8	1132.4	1123.6	1133.5	1129.7
17.5°	1122.4	1118.2	1109.3	1118.9	1114.7
20°	1106.3	1102.0	1093.2	1102.8	1098.2
22.5°	1087.8	1083.6	1074.4	1084.7	1080.1
25°	1066.7	1062.8	1054.4	1065.1	1059.4
27.5°	1044.4	1041.3	1032.1	1040.9	1037.5
30°	1019.0	1017.1	1007.1	1014.0	1010.9
32.5°	993.2	989.8	982.9	988.2	985.2
35°	964.4	959.8	955.2	958.7	953.3
37.5°	933.7	930.6	925.6	928.7	922.5
40°	900.2	897.5	893.7	894.5	891.0
42.5°	865.6	862.6	859.5	857.9	854.1
45°	829.5	826.8	823.7	822.6	816.8
47.5°	790.3	788.4	786.4	783.8	779.5
50°	748.0	748.8	745.3	743.0	735.7
52.5°	702.7	707.3	702.3	698.8	694.6
55°	656.1	661.1	656.9	654.2	649.6
57.5°	610.0	612.3	609.6	607.7	601.6
60°	561.2	563.1	561.2	557.0	553.9
62.5°	510.8	513.2	509.3	506.2	502.0
65°	457.8	459.0	458.2	452.0	446.7
67.5°	404.4	406.3	404.0	399.8	394.4
70°	350.9	349.8	347.9	344.8	337.9
72.5°	294.4	294.4	294.1	288.3	284.8
75°	237.9	238.3	237.2	233.3	229.9
77.5°	181.4	185.7	182.6	178.7	174.9
80°	131.1	133.8	131.1	126.1	123.8
82.5°	83.8	87.6	85.3	80.3	79.6
85°	46.9	47.7	46.5	44.2	40.4
87.5°	17.7	18.5	18.8	15.4	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)