

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: P290388

Luminaire Tested: **8SSRK-SLN-40-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290388
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLN-40-L930-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3305.4 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

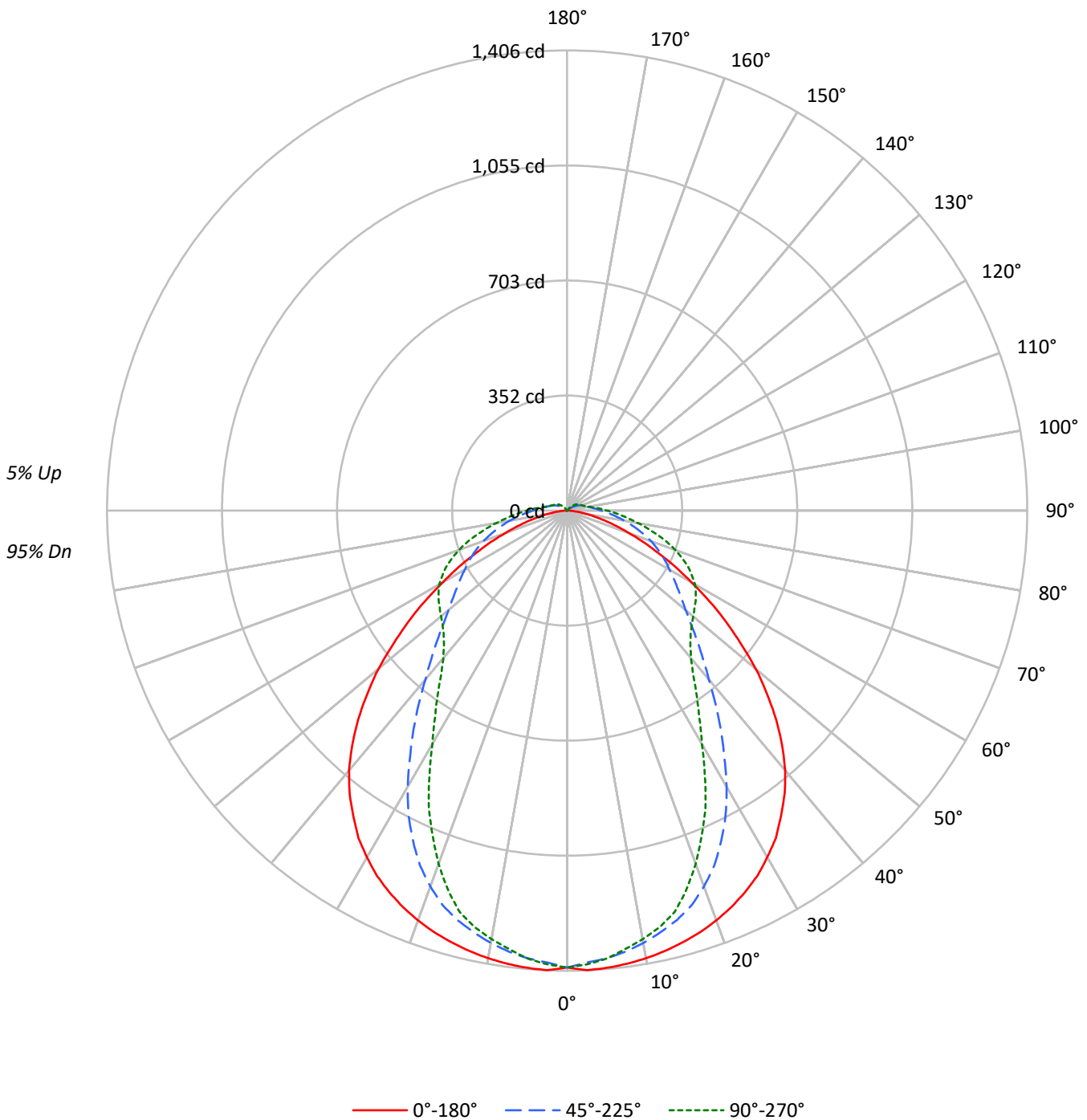
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45082	45082	45082
5°	45369	35656	33009
10°	45375	29308	25560
15°	45399	24578	20488
20°	45442	20637	16068
25°	45382	17070	12436
30°	45064	13756	9281
35°	44258	10791	7156
40°	42954	8392	5694
45°	40400	6666	4873
50°	36917	5403	4381
55°	32382	4571	4022
60°	27377	3939	3674
65°	22483	3420	3256
70°	18003	2913	2763
75°	13834	2405	2232
80°	9979	1929	1724
85°	6284	1508	1312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	4.0
10°-20°	367.5	11.1
20°-30°	516.8	15.6
30°-40°	541.2	16.4
40°-50°	490.0	14.8
50°-60°	417.0	12.6
60°-70°	329.7	10.0
70°-80°	224.5	6.8
80°-90°	128.1	3.9
90°-100°	71.1	2.1
100°-110°	43.4	1.3
110°-120°	26.4	0.8
120°-130°	14.3	0.4
130°-140°	4.3	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1015.4	30.7
0°-40°	1556.5	47.1
0°-60°	2463.5	74.5
0°-90°	3145.8	95.2
90°-120°	140.9	4.3
90°-150°	159.6	4.8
90°-180°	160.0	4.8
0°-180°	3305.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1402	1394	1374	1380	1375	133
15°	1366	1340	1295	1282	1270	386
25°	1286	1222	1114	1028	1000	593
35°	1139	1011	819	716	690	712
45°	903	717	561	532	534	694
55°	592	452	411	458	480	530
65°	307	267	318	388	408	310
75°	120	146	224	275	285	130
85°	21	69	136	163	165	25
90°	0	48	104	121	121	1
95°	1	37	82	91	90	1
105°	1	22	55	57	55	1
115°	1	3	37	43	42	1
125°	0	1	17	30	32	0
135°	1	1	1	12	16	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1396.1	1396.1	1396.1	1396.1	1396.1
2.5°	1405.7	1398.0	1382.0	1392.3	1387.7
5°	1402.2	1393.5	1373.6	1379.7	1374.7
7.5°	1396.9	1385.0	1359.5	1361.4	1351.8
10°	1388.9	1373.6	1341.9	1338.5	1329.3
12.5°	1378.6	1357.6	1319.4	1314.8	1304.1
15°	1365.6	1339.6	1295.3	1281.9	1269.7
17.5°	1351.1	1318.2	1264.4	1234.6	1213.6
20°	1332.4	1290.7	1222.0	1178.8	1148.3
22.5°	1311.3	1260.9	1174.3	1109.3	1074.6
25°	1286.1	1222.4	1114.3	1028.0	1000.1
27.5°	1258.3	1182.3	1049.0	948.2	911.1
30°	1223.1	1131.5	974.5	866.5	823.7
32.5°	1186.5	1076.9	893.6	784.7	751.5
35°	1139.1	1010.8	818.7	716.4	690.0
37.5°	1091.4	940.2	744.3	655.3	632.0
40°	1036.8	868.8	674.0	604.9	588.5
42.5°	971.9	796.2	614.4	562.5	556.8
45°	903.1	717.2	561.0	531.6	533.5
47.5°	828.3	645.4	512.5	506.7	516.3
50°	753.1	578.5	472.0	488.0	502.9
52.5°	669.4	514.0	439.9	472.8	490.7
55°	592.3	452.1	410.9	458.2	479.6
57.5°	515.5	399.4	385.7	443.4	465.9
60°	439.2	351.3	361.3	427.3	451.0
62.5°	372.7	305.5	339.9	409.4	430.0
65°	307.4	266.9	317.7	388.0	408.2
67.5°	253.2	232.6	295.6	362.4	380.7
70°	201.6	200.1	271.9	334.1	350.9
72.5°	157.3	170.7	247.1	304.7	320.8
75°	119.5	145.5	223.8	274.9	284.9
77.5°	87.4	121.8	200.1	244.8	251.7
80°	60.0	101.2	177.6	214.6	219.6
82.5°	37.8	83.6	155.8	187.5	190.9
85°	21.0	69.1	136.3	163.1	165.4
87.5°	8.0	56.9	118.8	141.7	143.6
90°	0.4	48.1	104.3	121.4	121.4
92.5°	0.4	42.0	92.4	105.4	106.2
95°	0.8	37.0	82.1	90.9	90.1
97.5°	0.8	33.6	72.6	79.8	77.5
100°	0.8	30.5	65.3	70.3	68.0
102.5°	0.8	27.1	59.6	62.6	60.0
105°	0.8	22.5	55.0	57.3	55.0
107.5°	0.8	17.9	50.0	53.1	50.8
110°	0.8	13.4	45.4	49.3	47.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	8.4	41.2	45.8	44.7
115°	0.8	3.1	37.0	43.2	42.0
117.5°	0.4	1.5	31.7	40.1	39.7
120°	0.4	1.1	26.7	37.4	37.4
122.5°	0.4	1.1	22.1	33.6	35.1
125°	0.4	0.8	16.8	29.8	31.7
127.5°	0.4	0.8	11.8	26.0	28.3
130°	0.4	0.8	6.1	21.4	24.4
132.5°	0.4	0.8	0.8	16.8	20.2
135°	0.8	0.8	0.8	12.2	16.0
137.5°	0.8	0.8	0.8	6.5	11.5
140°	0.8	0.8	0.4	0.4	5.3
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)