

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: P290124

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LN-40-L930-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3247.1 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

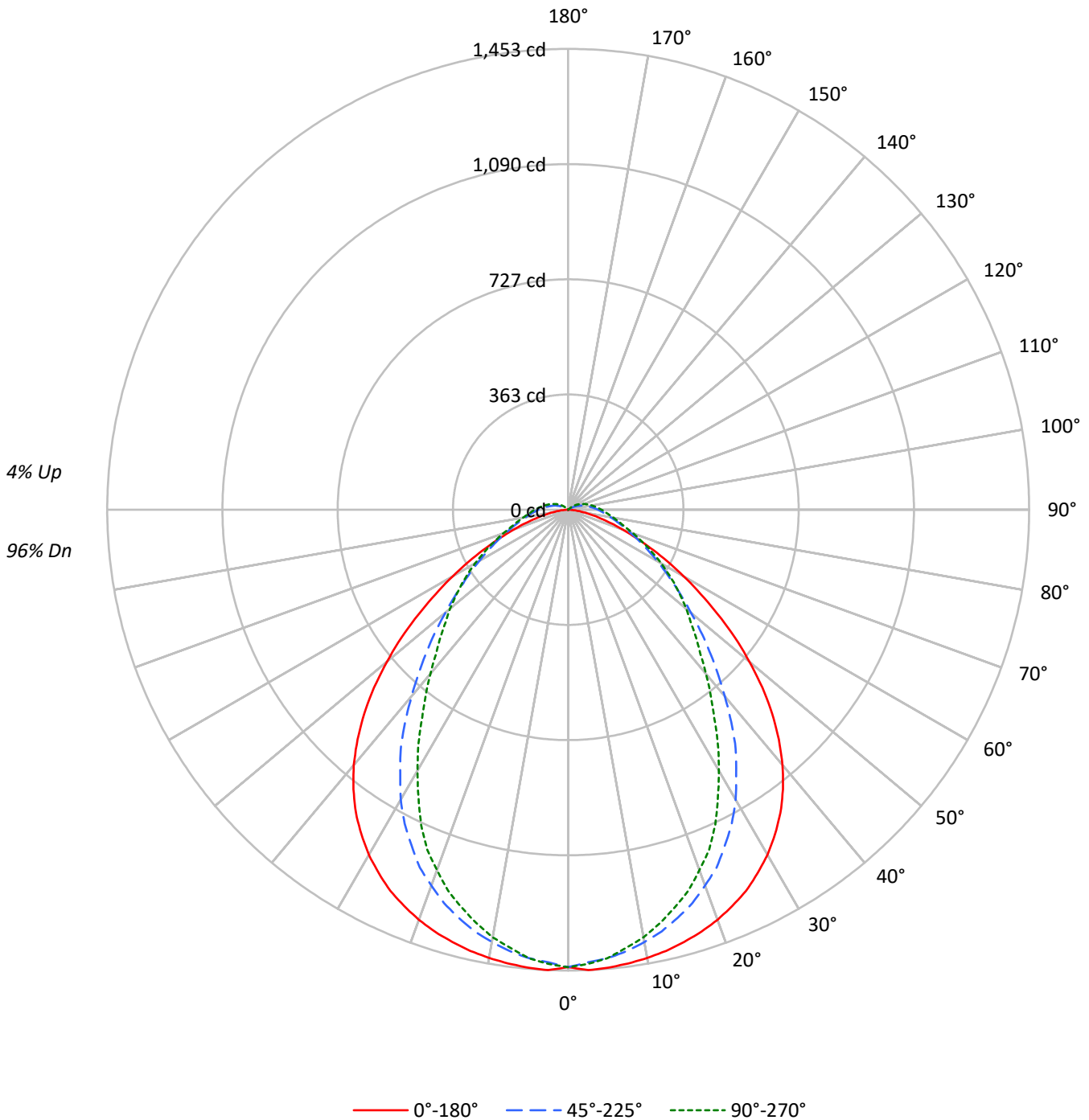
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46574	46574	46574
5°	46890	36845	34082
10°	46884	30234	26323
15°	46909	25282	20945
20°	46925	21296	16923
25°	46801	17901	13634
30°	46291	14899	10700
35°	45327	12135	8329
40°	43555	9557	6544
45°	40691	7469	5201
50°	36505	5775	4234
55°	31464	4495	3440
60°	26205	3525	2766
65°	20889	2775	2184
70°	16298	2198	1717
75°	12202	1785	1367
80°	8831	1473	1133
85°	5476	1242	966



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	4.2
10°-20°	379.2	11.7
20°-30°	546.5	16.8
30°-40°	592.0	18.2
40°-50°	524.3	16.1
50°-60°	399.0	12.3
60°-70°	265.8	8.2
70°-80°	164.2	5.1
80°-90°	102.9	3.2
90°-100°	67.6	2.1
100°-110°	41.4	1.3
110°-120°	21.4	0.7
120°-130°	7.0	0.2
130°-140°	0.4	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°	1061.1	32.7
0°-40°	1653.1	50.9
0°-60°	2576.3	79.3
0°-90°	3109.2	95.8
90°-120°	130.4	4.0
90°-150°	137.9	4.2
90°-180°	138.0	4.2
0°-180°	3247.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1449	1440	1419	1425	1419	138
15°	1411	1384	1332	1314	1298	399
25°	1326	1264	1168	1118	1096	610
35°	1167	1057	921	834	803	727
45°	910	767	629	581	569	698
55°	576	470	404	409	410	517
65°	286	250	258	273	274	288
75°	105	128	166	177	174	117
85°	18	66	112	124	122	22
90°	1	48	94	105	105	1
95°	2	34	78	90	89	1
105°	1	13	48	62	63	1
115°	1	1	25	39	42	1
125°	1	1	1	17	21	1
135°	0	0	0	0	0	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°	1442.3	1442.3	1442.3	1442.3	1442.3
2.5°	1453.0	1445.0	1428.6	1438.1	1433.6
5°	1449.2	1440.0	1419.4	1424.8	1419.4
7.5°	1443.1	1431.6	1404.2	1406.4	1393.8
10°	1435.1	1419.8	1384.3	1380.5	1369.0
12.5°	1424.8	1403.4	1361.8	1346.5	1335.4
15°	1411.0	1384.3	1332.4	1314.4	1298.0
17.5°	1395.4	1361.0	1300.7	1278.9	1259.4
20°	1375.9	1332.7	1261.0	1230.8	1209.4
22.5°	1352.2	1301.8	1221.6	1177.7	1160.5
25°	1326.3	1264.0	1168.5	1118.5	1096.4
27.5°	1292.3	1222.4	1116.2	1053.6	1021.9
30°	1256.4	1173.1	1055.5	983.3	949.7
32.5°	1213.2	1119.3	985.2	908.5	878.7
35°	1166.6	1057.4	920.7	834.0	803.1
37.5°	1111.6	990.6	843.9	764.5	737.4
40°	1051.3	918.0	767.6	697.7	676.3
42.5°	982.6	844.3	695.8	635.4	617.1
45°	909.6	767.2	628.6	580.8	569.4
47.5°	830.2	690.0	565.6	531.6	523.2
50°	744.7	612.9	504.5	485.7	486.1
52.5°	663.3	540.0	452.5	447.6	446.4
55°	575.5	469.7	404.0	409.0	410.1
57.5°	496.1	404.4	362.8	371.9	373.1
60°	420.4	346.0	323.4	337.6	339.5
62.5°	351.3	296.0	289.8	304.4	304.0
65°	285.6	250.5	257.8	272.7	273.8
67.5°	229.9	213.5	231.0	244.0	243.3
70°	182.5	180.2	205.1	218.8	218.1
72.5°	142.1	152.4	184.8	196.7	193.6
75°	105.4	128.3	166.1	177.2	174.5
77.5°	77.5	108.5	149.7	160.4	158.5
80°	53.1	92.0	135.6	146.6	144.3
82.5°	34.0	78.3	123.3	134.0	132.5
85°	18.3	66.1	112.3	123.7	121.8
87.5°	6.9	56.1	102.3	113.8	113.0
90°	0.8	48.1	93.6	105.4	104.6
92.5°	1.1	40.9	85.2	97.4	97.4
95°	1.9	34.0	77.5	89.7	89.4
97.5°	1.5	28.6	69.1	82.5	82.5
100°	1.5	23.7	61.5	74.8	75.6
102.5°	1.5	18.7	55.0	68.0	69.5
105°	1.1	13.4	48.5	61.9	63.4
107.5°	1.1	7.6	42.0	56.1	58.0
110°	1.1	1.9	36.3	50.0	52.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	1.1	30.5	44.3	46.6
115°	1.1	1.1	24.8	38.6	42.0
117.5°	0.8	0.8	18.3	33.6	36.7
120°	0.8	0.8	11.5	28.3	31.3
122.5°	0.8	0.8	5.0	22.5	26.7
125°	0.8	0.8	0.8	16.8	21.0
127.5°	0.8	0.8	0.4	9.9	14.9
130°	0.8	0.8	0.4	3.8	9.2
132.5°	0.8	0.8	0.4	0.4	2.7
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)