

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: P289956

Luminaire Tested: **8SSRK-LW-50-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LW-50-L930-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3636.8 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

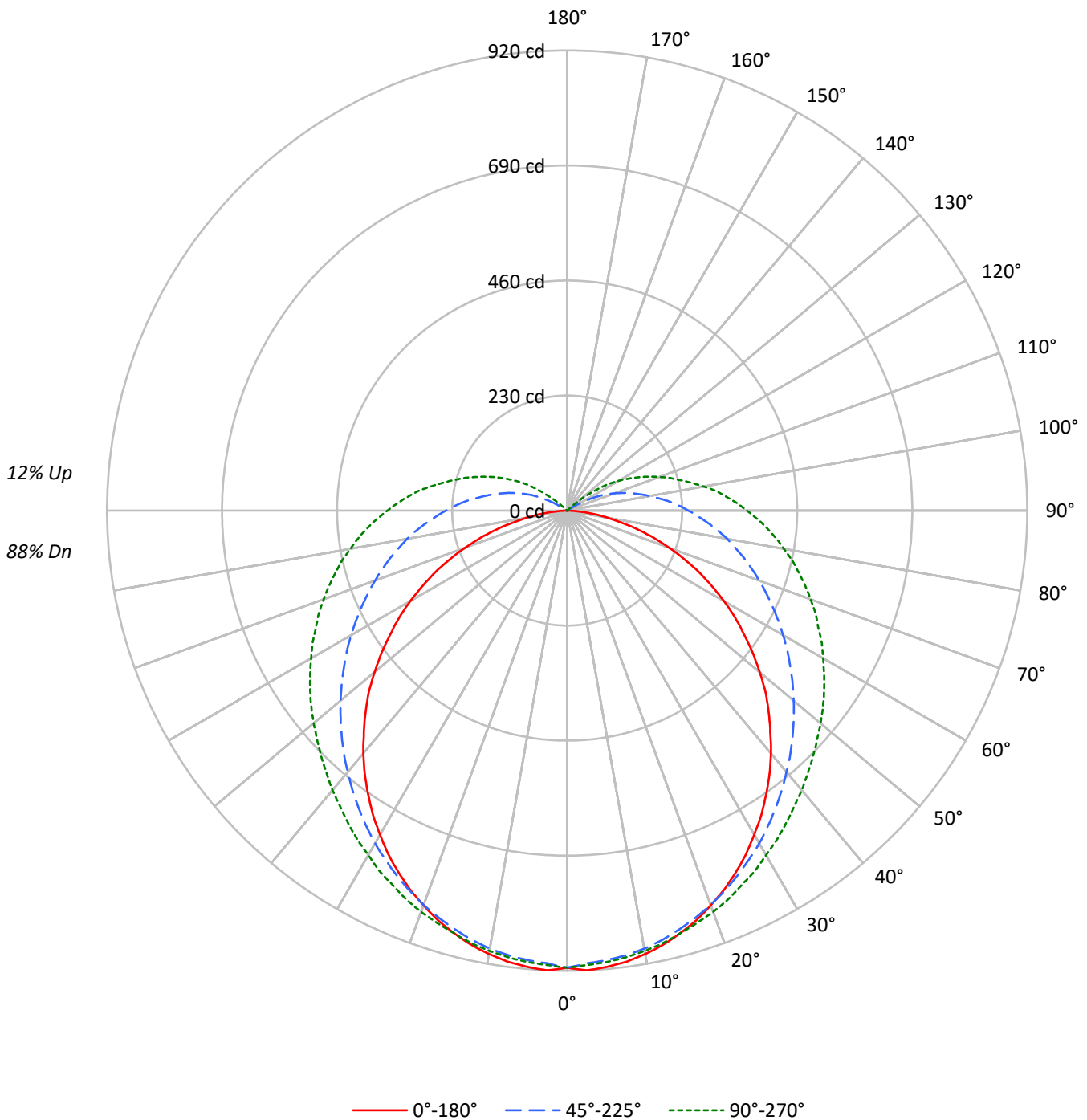
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88				
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67				
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54				
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44				
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37				
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32				
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28				
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24				
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21				
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19				
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29511	29511	29511
5°	29631	23424	21760
10°	29419	19425	17194
15°	29073	16448	14119
20°	28645	14167	11947
25°	28162	12337	10270
30°	27563	10845	8960
35°	26937	9574	7914
40°	26270	8494	7062
45°	25508	7575	6350
50°	24627	6769	5762
55°	23602	6060	5262
60°	22565	5434	4813
65°	21240	4876	4422
70°	19405	4378	4077
75°	16971	3932	3754
80°	13504	3529	3454
85°	8768	3121	3180



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	2.4
10°-20°	246.3	6.8
20°-30°	373.6	10.3
30°-40°	455.9	12.5
40°-50°	491.0	13.5
50°-60°	482.2	13.3
60°-70°	435.7	12.0
70°-80°	362.8	10.0
80°-90°	278.2	7.7
90°-100°	201.4	5.5
100°-110°	130.1	3.6
110°-120°	70.1	1.9
120°-130°	22.2	0.6
130°-140°	0.8	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°	706.2	19.4
0°-40°	1162.1	32.0
0°-60°	2135.3	58.7
0°-90°	3212.1	88.3
90°-120°	401.7	11.0
90°-150°	424.7	11.7
90°-180°	425.0	11.7
0°-180°	3636.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	916	912	902	909	906	87
15°	874	873	867	876	875	247
25°	798	799	805	823	826	368
35°	693	702	726	755	763	434
45°	570	592	638	679	695	440
55°	432	474	545	605	627	387
65°	290	353	453	529	554	287
75°	147	243	366	450	479	155
85°	29	149	282	370	401	35
90°	1	112	242	329	359	2
95°	2	81	205	291	319	1
105°	2	29	134	209	235	2
115°	1	1	67	133	158	1
125°	1	0	0	53	76	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°	913.9	913.9	913.9	913.9	913.9
2.5°	920.2	916.3	906.2	912.5	909.6
5°	915.8	912.5	902.4	909.1	906.2
7.5°	909.6	906.2	896.6	903.3	900.9
10°	900.5	897.1	889.4	896.1	894.2
12.5°	888.9	886.5	879.3	887.5	885.6
15°	874.5	872.6	866.8	876.4	875.0
17.5°	859.1	857.2	853.8	863.9	864.4
20°	839.9	839.4	838.9	851.9	853.8
22.5°	820.2	820.7	822.6	838.4	841.3
25°	798.1	799.0	805.3	822.6	825.9
27.5°	774.5	777.9	787.0	807.2	812.5
30°	748.1	753.8	768.3	789.4	795.2
32.5°	722.1	728.3	747.6	772.6	780.3
35°	693.3	702.4	726.4	755.3	763.0
37.5°	664.4	675.0	704.8	736.0	745.7
40°	634.1	648.1	682.2	717.3	729.8
42.5°	601.4	621.1	660.6	698.1	712.0
45°	570.2	591.8	637.5	679.3	695.2
47.5°	538.0	563.9	614.4	661.0	677.9
50°	502.4	533.6	591.3	642.8	661.5
52.5°	467.8	504.8	568.3	624.0	644.7
55°	431.7	474.5	544.7	605.3	627.4
57.5°	398.1	443.7	522.1	585.6	609.1
60°	362.0	413.9	498.5	567.3	590.9
62.5°	325.5	384.1	475.5	547.6	574.0
65°	290.4	353.4	452.9	528.8	554.3
67.5°	252.9	325.5	430.8	508.6	537.5
70°	217.3	296.6	408.6	489.4	517.8
72.5°	181.7	268.7	387.0	470.2	499.0
75°	146.6	243.3	365.9	450.5	479.3
77.5°	111.5	216.3	344.2	430.8	461.0
80°	81.2	192.8	325.0	410.6	439.9
82.5°	55.3	170.7	303.4	391.3	421.1
85°	29.3	149.0	282.2	370.2	401.0
87.5°	8.7	129.8	261.5	349.5	380.3
90°	1.0	112.0	242.3	329.3	359.1
92.5°	1.4	96.6	224.0	311.1	339.9
95°	1.9	81.2	205.3	290.9	319.2
97.5°	1.9	67.8	186.1	270.2	300.5
100°	1.9	54.8	167.8	249.0	276.9
102.5°	1.9	42.8	150.5	227.9	255.3
105°	1.9	28.8	133.7	209.1	235.1
107.5°	1.9	14.4	117.3	190.9	216.3
110°	1.9	2.9	101.0	172.1	196.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	1.9	85.1	152.4	177.4
115°	1.4	1.4	67.3	133.2	158.2
117.5°	1.4	1.4	48.1	115.4	138.0
120°	1.4	1.0	27.9	96.6	119.2
122.5°	1.0	1.0	9.1	75.0	99.5
125°	1.0	0.5	0.5	53.4	76.0
127.5°	1.0	0.5	0.0	29.8	51.4
130°	1.0	0.5	0.0	8.7	29.3
132.5°	1.0	0.5	0.0	0.0	6.2
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)