

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: P289948

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289948
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-40-L930-CD1-U
Description: 4000 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: 2888.9 lumens
Efficiency: N/A
Efficacy: 106.9 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

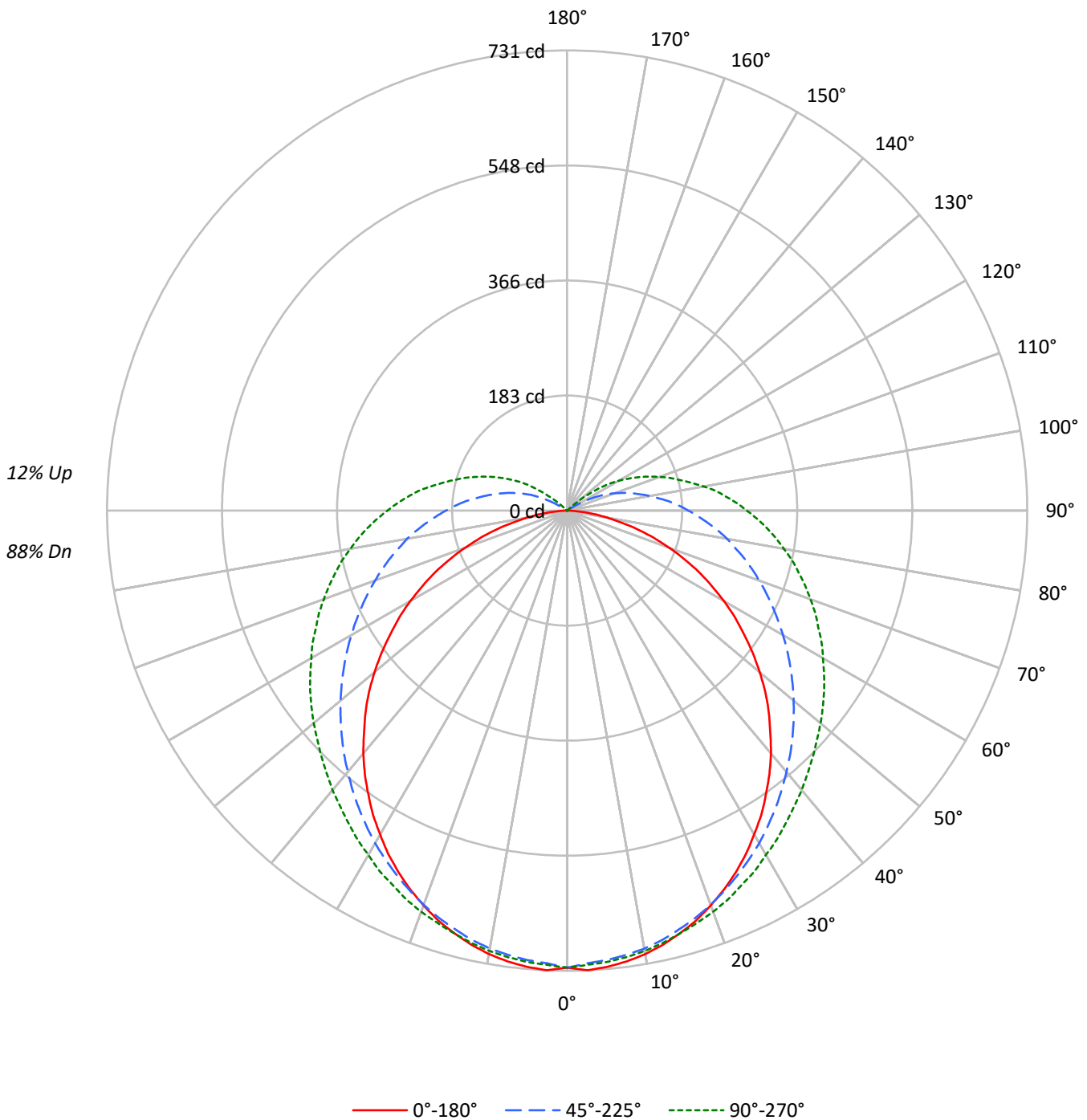
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	23444	23444	23444
5°	23539	18607	17286
10°	23369	15430	13658
15°	23095	13064	11215
20°	22755	11254	9490
25°	22368	9800	8159
30°	21893	8615	7116
35°	21397	7605	6286
40°	20868	6747	5609
45°	20261	6017	5043
50°	19564	5377	4578
55°	18747	4814	4180
60°	17927	4317	3823
65°	16874	3873	3512
70°	15414	3478	3239
75°	13486	3123	2982
80°	10727	2804	2743
85°	6972	2480	2526



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	2.4
10°-20°	195.7	6.8
20°-30°	296.7	10.3
30°-40°	362.1	12.5
40°-50°	390.0	13.5
50°-60°	383.1	13.3
60°-70°	346.1	12.0
70°-80°	288.2	10.0
80°-90°	221.0	7.7
90°-100°	160.0	5.5
100°-110°	103.4	3.6
110°-120°	55.7	1.9
120°-130°	17.6	0.6
130°-140°	0.7	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°	561.0	19.4
0°-40°	923.1	32.0
0°-60°	1696.2	58.7
0°-90°	2551.5	88.3
90°-120°	319.1	11.0
90°-150°	337.4	11.7
90°-180°	337.0	11.7
0°-180°	2888.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	728	725	717	722	720	69
15°	695	693	688	696	695	196
25°	634	635	640	653	656	292
35°	551	558	577	600	606	345
45°	453	470	506	540	552	349
55°	343	377	433	481	498	307
65°	231	281	360	420	440	228
75°	116	193	291	358	381	123
85°	23	118	224	294	318	28
90°	1	89	192	262	285	1
95°	2	64	163	231	254	1
105°	2	23	106	166	187	2
115°	1	1	54	106	126	1
125°	1	0	0	42	60	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°	726.0	726.0	726.0	726.0	726.0
2.5°	730.9	727.9	719.9	724.8	722.5
5°	727.5	724.8	716.8	722.1	719.9
7.5°	722.5	719.9	712.2	717.6	715.7
10°	715.3	712.6	706.5	711.8	710.3
12.5°	706.1	704.2	698.5	705.0	703.4
15°	694.7	693.1	688.5	696.2	695.0
17.5°	682.4	680.9	678.2	686.3	686.6
20°	667.2	666.8	666.4	676.7	678.2
22.5°	651.5	651.9	653.4	666.0	668.3
25°	633.9	634.7	639.7	653.4	656.1
27.5°	615.2	617.9	625.1	641.2	645.4
30°	594.2	598.8	610.3	627.1	631.6
32.5°	573.6	578.6	593.8	613.7	619.8
35°	550.7	557.9	577.0	599.9	606.1
37.5°	527.8	536.2	559.8	584.7	592.3
40°	503.7	514.8	541.9	569.8	579.7
42.5°	477.7	493.4	524.7	554.5	565.6
45°	452.9	470.1	506.4	539.6	552.2
47.5°	427.3	448.0	488.1	525.1	538.5
50°	399.1	423.9	469.7	510.6	525.5
52.5°	371.6	401.0	451.4	495.7	512.1
55°	342.9	376.9	432.7	480.8	498.4
57.5°	316.2	352.5	414.7	465.1	483.9
60°	287.6	328.8	396.0	450.6	469.3
62.5°	258.5	305.1	377.7	435.0	456.0
65°	230.7	280.7	359.7	420.1	440.3
67.5°	200.9	258.5	342.2	404.0	426.9
70°	172.6	235.6	324.6	388.8	411.3
72.5°	144.4	213.5	307.4	373.5	396.4
75°	116.5	193.2	290.6	357.8	380.7
77.5°	88.6	171.8	273.4	342.2	366.2
80°	64.5	153.1	258.2	326.1	349.4
82.5°	43.9	135.6	241.0	310.9	334.5
85°	23.3	118.4	224.2	294.1	318.5
87.5°	6.9	103.1	207.7	277.6	302.1
90°	0.8	89.0	192.5	261.6	285.3
92.5°	1.1	76.8	178.0	247.1	270.0
95°	1.5	64.5	163.1	231.0	253.6
97.5°	1.5	53.8	147.8	214.6	238.7
100°	1.5	43.5	133.3	197.8	220.0
102.5°	1.5	34.0	119.5	181.0	202.8
105°	1.5	22.9	106.2	166.1	186.7
107.5°	1.5	11.5	93.2	151.6	171.8
110°	1.5	2.3	80.2	136.7	156.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	1.5	67.6	121.1	140.9
115°	1.1	1.1	53.5	105.8	125.6
117.5°	1.1	1.1	38.2	91.7	109.6
120°	1.1	0.8	22.1	76.8	94.7
122.5°	0.8	0.8	7.3	59.6	79.1
125°	0.8	0.4	0.4	42.4	60.3
127.5°	0.8	0.4	0.0	23.7	40.9
130°	0.8	0.4	0.0	6.9	23.3
132.5°	0.8	0.4	0.0	0.0	5.0
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)