

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: P290476

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLW-40-L930-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3066.3 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

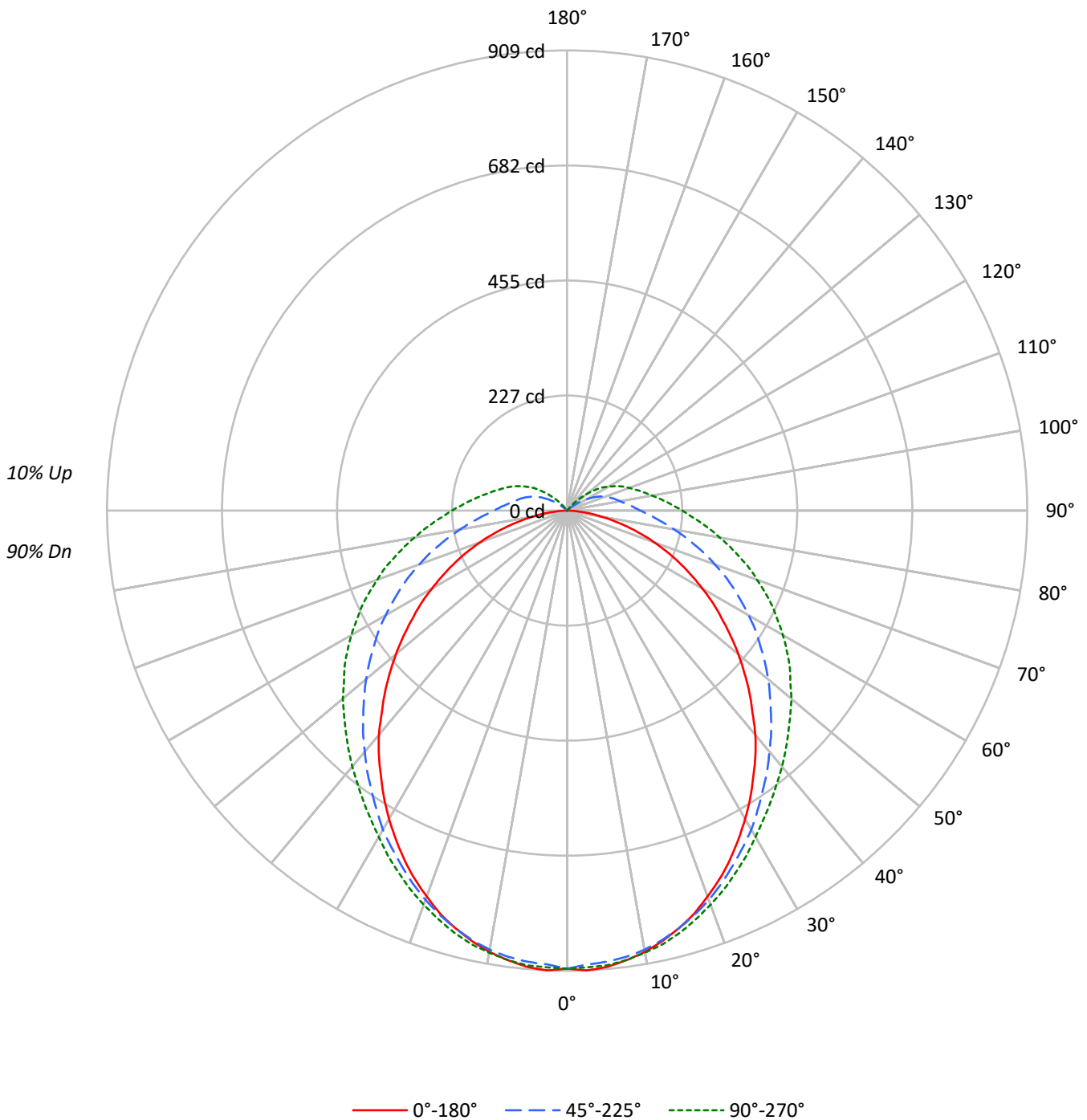
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29214	29214	29214
5°	29272	23225	21649
10°	28919	19233	17049
15°	28388	16203	13925
20°	27663	13821	11590
25°	26857	11853	9806
30°	25916	10274	8386
35°	24913	8884	7276
40°	23967	7741	6392
45°	22788	6766	5646
50°	21657	5937	5039
55°	20420	5179	4503
60°	19236	4516	4009
65°	17905	3902	3571
70°	16298	3327	3143
75°	14193	2798	2755
80°	11492	2330	2402
85°	8110	1943	2093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	2.8
10°-20°	241.8	7.9
20°-30°	357.7	11.7
30°-40°	422.4	13.8
40°-50°	439.1	14.3
50°-60°	414.0	13.5
60°-70°	352.9	11.5
70°-80°	266.9	8.7
80°-90°	180.1	5.9
90°-100°	123.7	4.0
100°-110°	88.7	2.9
110°-120°	56.9	1.9
120°-130°	29.0	0.9
130°-140°	7.4	0.2
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°	685.0	22.3
0°-40°	1107.4	36.1
0°-60°	1960.6	63.9
0°-90°	2760.5	90.0
90°-120°	269.2	8.8
90°-150°	305.7	10.0
90°-180°	306.0	10.0
0°-180°	3066.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	905	902	895	903	902	86
15°	854	856	854	862	863	240
25°	761	770	774	787	789	350
35°	641	656	674	694	702	402
45°	509	535	569	604	618	393
55°	374	412	466	516	537	335
65°	245	294	362	422	448	243
75°	123	182	260	327	352	131
85°	27	91	176	241	264	31
90°	0	64	144	206	228	2
95°	0	51	123	177	197	0
105°	1	33	93	134	149	1
115°	1	4	64	101	114	1
125°	1	1	27	63	76	1
135°	1	0	0	20	29	1
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°	904.7	904.7	904.7	904.7	904.7
2.5°	909.2	906.2	897.4	905.0	903.1
5°	904.7	902.4	894.7	903.1	901.6
7.5°	895.9	895.5	889.4	898.2	895.5
10°	885.2	885.6	880.6	889.4	886.7
12.5°	870.7	872.2	868.8	877.2	876.8
15°	853.9	856.5	853.9	862.3	863.0
17.5°	834.8	839.0	837.1	847.4	846.2
20°	811.1	816.8	818.4	828.7	828.3
22.5°	787.4	794.7	797.3	808.0	809.6
25°	761.1	769.9	773.7	787.0	788.6
27.5°	732.4	743.9	750.8	764.1	767.6
30°	703.4	715.6	727.8	741.2	744.3
32.5°	673.2	686.6	700.7	719.1	722.5
35°	641.2	656.4	674.0	694.2	701.5
37.5°	611.0	628.2	648.8	672.5	680.1
40°	578.5	596.1	621.7	648.4	660.6
42.5°	542.3	565.9	596.5	628.6	639.3
45°	509.4	534.6	569.4	604.5	618.2
47.5°	475.0	504.5	543.8	582.7	597.6
50°	441.8	473.9	518.6	560.6	578.5
52.5°	407.5	443.7	492.2	538.8	555.6
55°	373.5	412.0	465.5	515.5	536.9
57.5°	342.9	382.3	441.4	492.6	514.4
60°	308.6	354.0	414.3	469.3	492.2
62.5°	276.9	323.1	387.6	446.0	468.9
65°	244.8	294.4	362.4	422.3	447.6
67.5°	214.6	264.6	336.8	399.1	423.1
70°	182.5	236.8	310.5	374.6	399.1
72.5°	153.1	208.9	286.0	350.9	377.3
75°	122.6	182.2	260.4	326.9	351.7
77.5°	95.5	156.2	237.5	304.4	329.2
80°	69.1	132.5	214.6	281.8	305.9
82.5°	47.0	110.7	194.4	261.2	284.9
85°	27.1	91.3	175.7	240.6	263.9
87.5°	10.3	76.0	158.9	222.6	244.0
90°	0.4	64.5	144.3	205.8	227.6
92.5°	0.4	56.5	133.3	190.6	210.8
95°	0.4	51.2	123.0	177.2	197.0
97.5°	0.8	47.0	113.8	165.4	182.9
100°	0.8	42.8	106.2	153.9	170.7
102.5°	0.8	38.6	99.3	143.6	159.2
105°	0.8	32.8	93.2	134.0	149.3
107.5°	0.8	25.6	86.3	126.0	139.4
110°	0.8	18.7	79.0	118.0	131.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	11.5	72.6	110.0	122.6
115°	0.8	4.2	64.5	101.2	113.8
117.5°	0.8	1.5	55.0	92.8	103.9
120°	0.8	1.1	45.8	83.6	94.7
122.5°	0.8	1.1	36.3	73.7	85.5
125°	0.8	1.1	27.1	63.0	75.6
127.5°	0.8	0.8	17.6	51.9	63.4
130°	0.8	0.8	8.4	41.2	52.3
132.5°	0.8	0.8	0.4	30.2	40.9
135°	0.8	0.4	0.4	19.9	29.4
137.5°	0.8	0.4	0.0	9.5	19.1
140°	0.8	0.4	0.0	0.0	7.6
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)