

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: P290332

Luminaire Tested: **8SSRK-SLC-10-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLC-10-L930-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8680.8 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

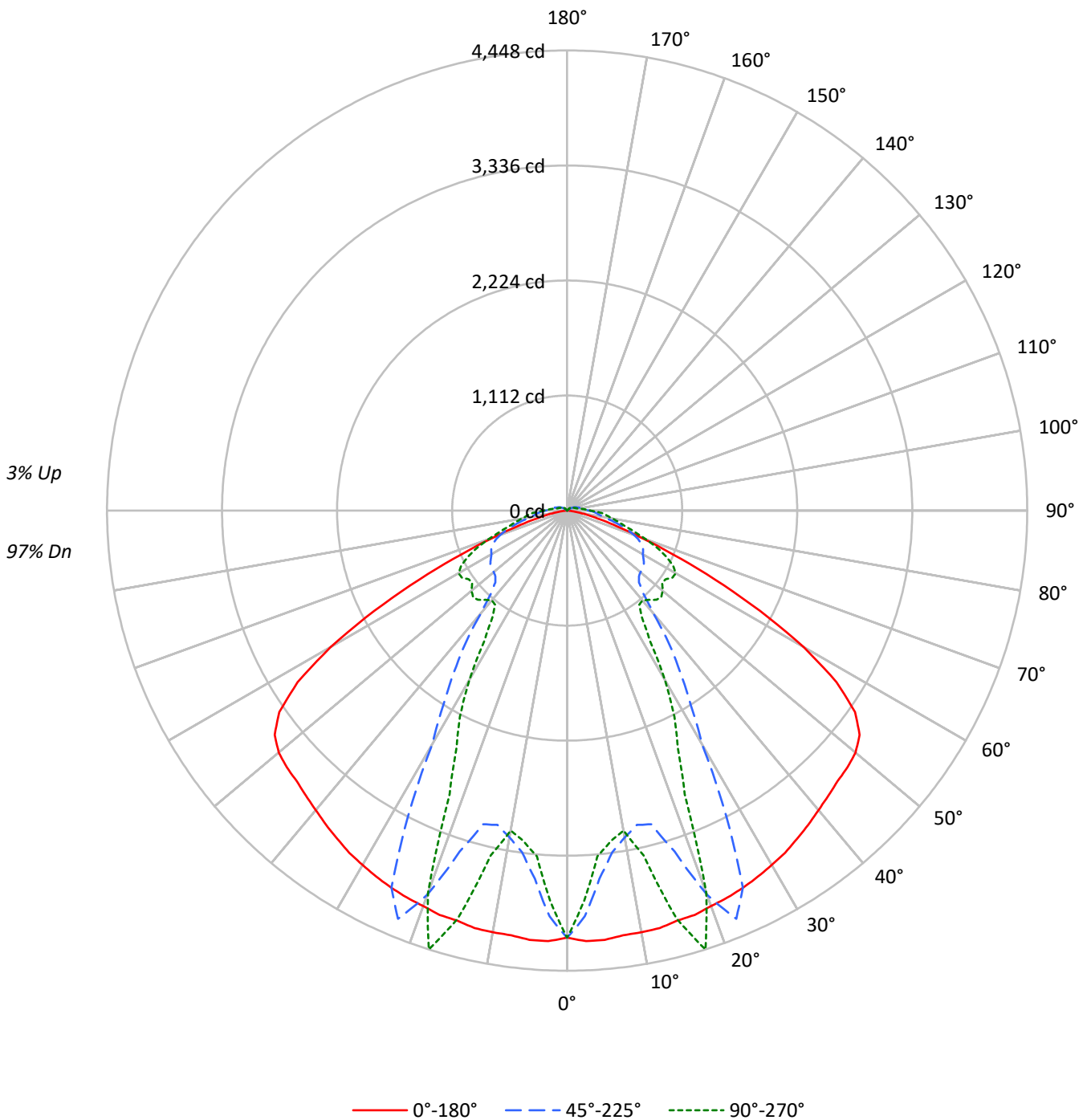
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109		104	104	104		99	99	99	97
1	108	103	99	95	105	101	97	93	96	93	90		91	89	87		87	85	83	81
2	99	91	84	79	96	89	83	78	85	80	75		81	77	73		77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64		72	67	63		69	65	61	59
4	84	72	64	57	81	71	63	57	68	61	56		65	59	54		62	57	53	51
5	77	65	56	50	75	64	56	50	61	54	49		59	53	48		57	51	47	45
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	45	40	65	53	45	39	51	44	39		49	43	38		48	42	38	36
8	62	49	41	36	61	49	41	35	47	40	35		46	39	35		44	38	34	32
9	58	46	38	32	57	45	37	32	44	37	32		42	36	32		41	35	31	29
10	55	42	35	30	54	42	34	30	40	34	29		39	33	29		38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	133312	133312	133312
5°	134772	92719	80577
10°	135190	70049	60384
15°	136411	59553	65834
20°	138750	66741	55027
25°	141917	61567	31433
30°	145747	36871	21291
35°	150496	25112	13033
40°	156578	16152	10958
45°	165426	11682	11140
50°	178372	10589	10506
55°	185687	10085	9717
60°	164511	9206	9873
65°	115167	8663	8447
70°	66932	7365	6352
75°	38052	5563	4519
80°	21604	3927	3494
85°	10444	3153	2860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.9	4.0
10°-20°	1030.1	11.9
20°-30°	1516.2	17.5
30°-40°	1481.1	17.1
40°-50°	1227.9	14.1
50°-60°	1127.3	13.0
60°-70°	893.3	10.3
70°-80°	496.0	5.7
80°-90°	262.7	3.0
90°-100°	138.1	1.6
100°-110°	83.1	1.0
110°-120°	47.5	0.5
120°-130°	26.2	0.3
130°-140°	8.3	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2889.2	33.3
0°-40°	4370.3	50.3
0°-60°	6725.5	77.5
0°-90°	8377.4	96.5
90°-120°	268.7	3.1
90°-150°	303.4	3.5
90°-180°	303.0	3.5
0°-180°	8680.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4128	4128	4128	4128	4128	
5°	4165	3932	3572	3420	3356	396
15°	4103	3277	3138	3843	4080	1164
25°	4022	3129	4019	2740	2528	1858
35°	3873	3735	1905	1361	1257	2431
45°	3698	1689	983	1122	1220	2868
55°	3396	752	906	1086	1159	2950
65°	1575	489	805	1021	1059	1594
75°	329	298	518	553	577	390
85°	35	146	285	346	361	48
90°	1	107	208	228	226	2
95°	2	84	162	169	161	1
105°	2	56	113	98	88	2
115°	2	7	74	70	65	2
125°	2	2	34	54	53	2
135°	2	2	2	23	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°	4128.4	4128.4	4128.4	4128.4	4128.4
2.5°	4165.3	4090.6	3924.8	3812.3	3774.5
5°	4165.3	3931.6	3571.9	3419.7	3355.7
7.5°	4140.0	3729.9	3330.5	3264.5	3222.8
10°	4138.1	3514.7	3207.3	3152.1	3140.4
12.5°	4133.3	3395.4	3112.3	3308.2	3413.8
15°	4103.2	3277.1	3138.5	3843.4	4079.9
17.5°	4098.4	3188.9	3456.5	4348.5	4448.4
20°	4068.3	3119.1	3952.0	4284.5	3932.6
22.5°	4048.9	3070.6	4270.9	3446.8	2967.8
25°	4021.8	3128.8	4018.9	2740.0	2527.7
27.5°	3990.7	3315.9	3331.4	2385.1	2244.5
30°	3955.8	3608.7	2612.0	2084.6	1889.7
32.5°	3920.9	3823.0	2223.2	1711.3	1482.5
35°	3873.4	3734.8	1905.2	1361.3	1256.6
37.5°	3828.8	3327.6	1615.3	1175.1	1145.1
40°	3779.4	2680.8	1297.3	1101.4	1132.5
42.5°	3737.7	2125.3	1089.8	1093.7	1170.3
45°	3697.9	1689.0	983.1	1121.8	1219.7
47.5°	3674.7	1342.8	940.5	1155.7	1234.3
50°	3638.8	1076.2	925.0	1162.5	1206.1
52.5°	3563.2	887.2	920.1	1126.6	1156.7
55°	3396.4	752.4	906.5	1085.9	1158.6
57.5°	3089.0	669.0	875.5	1094.6	1206.1
60°	2639.2	604.0	844.5	1122.8	1212.0
62.5°	2100.1	544.9	828.0	1099.5	1154.8
65°	1574.6	488.7	804.7	1021.0	1058.8
67.5°	1102.4	440.2	752.4	923.0	943.4
70°	749.5	393.6	687.4	798.0	806.7
72.5°	504.2	347.1	606.9	669.0	682.6
75°	328.7	297.7	517.7	552.7	576.9
77.5°	209.4	253.1	429.5	474.1	505.1
80°	129.9	209.4	361.6	425.6	445.0
82.5°	72.7	174.5	313.2	380.1	390.7
85°	34.9	146.4	285.1	346.1	360.7
87.5°	8.7	124.1	251.1	287.0	287.0
90°	1.0	106.7	208.5	227.8	225.9
92.5°	1.0	94.0	181.3	193.9	190.0
95°	1.9	84.4	161.9	168.7	160.9
97.5°	1.9	79.5	149.3	144.5	132.8
100°	1.9	73.7	135.7	123.1	110.5
102.5°	1.9	65.9	124.1	108.6	97.9
105°	1.9	56.2	113.4	97.9	88.2
107.5°	1.9	44.6	101.8	89.2	81.4
110°	1.9	32.0	91.1	82.4	76.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	19.4	82.4	76.6	71.7
115°	1.9	6.8	73.7	69.8	65.0
117.5°	1.9	2.9	65.0	66.9	61.1
120°	1.9	2.9	54.3	63.0	58.2
122.5°	1.9	2.9	44.6	59.1	56.2
125°	1.9	1.9	33.9	54.3	53.3
127.5°	1.9	1.9	23.3	47.5	49.4
130°	1.9	1.9	11.6	38.8	43.6
132.5°	1.9	1.9	1.9	32.0	35.9
135°	1.9	1.9	1.9	23.3	29.1
137.5°	1.9	1.9	1.9	11.6	21.3
140°	1.9	1.9	1.9	1.9	8.7
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

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