

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: P289932

Luminaire Tested: **4SSRK-LW-60-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289932
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: 4SSRK-LW-60-L930-CD1-U
Description: 6000 LUMEN, 4 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: 4409.0 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

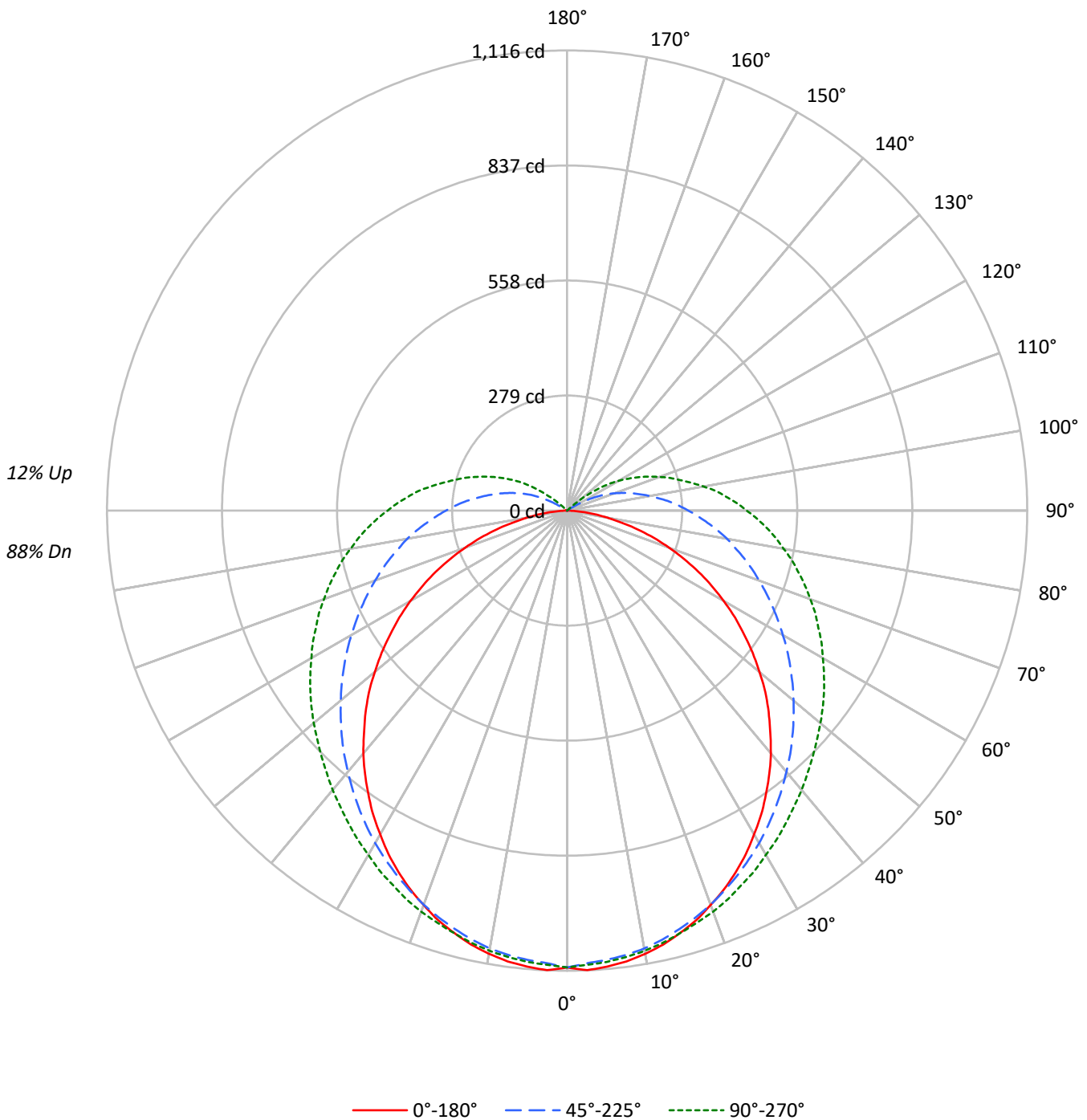
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	71558	71558	71558
5°	71719	56737	52764
10°	71071	47020	41690
15°	70104	39793	34234
20°	68933	34263	28967
25°	67629	29825	24903
30°	66042	26211	21723
35°	64388	23137	19188
40°	62626	20518	17121
45°	60605	18296	15395
50°	58303	16348	13973
55°	55623	14633	12758
60°	52875	13121	11670
65°	49379	11769	10722
70°	44628	10568	9886
75°	38396	9486	9103
80°	29632	8516	8374
85°	17869	7530	7710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	2.4
10°-20°	298.7	6.8
20°-30°	452.9	10.3
30°-40°	552.7	12.5
40°-50°	595.3	13.5
50°-60°	584.6	13.3
60°-70°	528.2	12.0
70°-80°	439.8	10.0
80°-90°	337.3	7.7
90°-100°	244.2	5.5
100°-110°	157.8	3.6
110°-120°	85.0	1.9
120°-130°	26.9	0.6
130°-140°	1.0	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°	856.2	19.4
0°-40°	1408.8	32.0
0°-60°	2588.7	58.7
0°-90°	3894.1	88.3
90°-120°	487.0	11.0
90°-150°	514.9	11.7
90°-180°	515.0	11.7
0°-180°	4409.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1108	1108	1108	1108	1108	
5°	1110	1106	1094	1102	1099	105
15°	1060	1058	1051	1062	1061	299
25°	968	969	976	997	1001	446
35°	840	852	881	916	925	526
45°	691	718	773	824	843	533
55°	523	575	660	734	761	469
65°	352	428	549	641	672	347
75°	178	295	444	546	581	188
85°	36	181	342	449	486	43
90°	1	136	294	399	435	2
95°	2	98	249	353	387	2
105°	2	35	162	254	285	2
115°	2	2	82	161	192	2
125°	1	1	1	65	92	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°	1108.0	1108.0	1108.0	1108.0	1108.0
2.5°	1115.6	1110.9	1098.7	1106.2	1102.7
5°	1110.3	1106.2	1094.0	1102.1	1098.7
7.5°	1102.7	1098.7	1087.0	1095.2	1092.2
10°	1091.7	1087.6	1078.3	1086.4	1084.1
12.5°	1077.7	1074.8	1066.0	1075.9	1073.6
15°	1060.2	1057.9	1050.9	1062.5	1060.8
17.5°	1041.5	1039.2	1035.1	1047.4	1047.9
20°	1018.2	1017.6	1017.1	1032.8	1035.1
22.5°	994.3	994.9	997.2	1016.5	1020.0
25°	967.5	968.7	976.3	997.2	1001.3
27.5°	939.0	943.0	954.1	978.6	985.0
30°	906.9	913.9	931.4	957.0	964.0
32.5°	875.4	883.0	906.3	936.6	945.9
35°	840.5	851.5	880.7	915.6	925.0
37.5°	805.5	818.3	854.4	892.3	904.0
40°	768.8	785.7	827.0	869.6	884.7
42.5°	729.1	753.0	800.8	846.3	863.2
45°	691.2	717.5	772.8	823.6	842.8
47.5°	652.2	683.7	744.9	801.4	821.8
50°	609.1	647.0	716.9	779.3	802.0
52.5°	567.1	612.0	688.9	756.5	781.6
55°	523.4	575.3	660.4	733.8	760.6
57.5°	482.6	538.0	633.0	709.9	738.5
60°	438.9	501.8	604.4	687.7	716.3
62.5°	394.6	465.7	576.4	663.9	695.9
65°	352.0	428.4	549.0	641.1	672.0
67.5°	306.6	394.6	522.2	616.6	651.6
70°	263.4	359.6	495.4	593.3	627.7
72.5°	220.3	325.8	469.2	570.0	605.0
75°	177.8	294.9	443.5	546.1	581.1
77.5°	135.2	262.3	417.3	522.2	558.9
80°	98.5	233.7	394.0	497.7	533.3
82.5°	67.0	206.9	367.8	474.4	510.6
85°	35.6	180.7	342.1	448.8	486.1
87.5°	10.5	157.4	317.1	423.7	461.0
90°	1.2	135.8	293.8	399.2	435.4
92.5°	1.7	117.2	271.6	377.1	412.1
95°	2.3	98.5	248.9	352.6	387.0
97.5°	2.3	82.2	225.6	327.6	364.3
100°	2.3	66.4	203.4	301.9	335.7
102.5°	2.3	51.9	182.4	276.3	309.5
105°	2.3	35.0	162.0	253.5	285.0
107.5°	2.3	17.5	142.2	231.4	262.3
110°	2.3	3.5	122.4	208.7	238.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	2.3	103.2	184.8	215.1
115°	1.7	1.7	81.6	161.4	191.8
117.5°	1.7	1.7	58.3	139.9	167.3
120°	1.7	1.2	33.8	117.2	144.5
122.5°	1.2	1.2	11.1	90.9	120.6
125°	1.2	0.6	0.6	64.7	92.1
127.5°	1.2	0.6	0.0	36.1	62.4
130°	1.2	0.6	0.0	10.5	35.6
132.5°	1.2	0.6	0.0	0.0	7.6
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)