

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: P290092

Luminaire Tested: **4SSRK-LN-30-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LN-30-L930-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2458.1 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

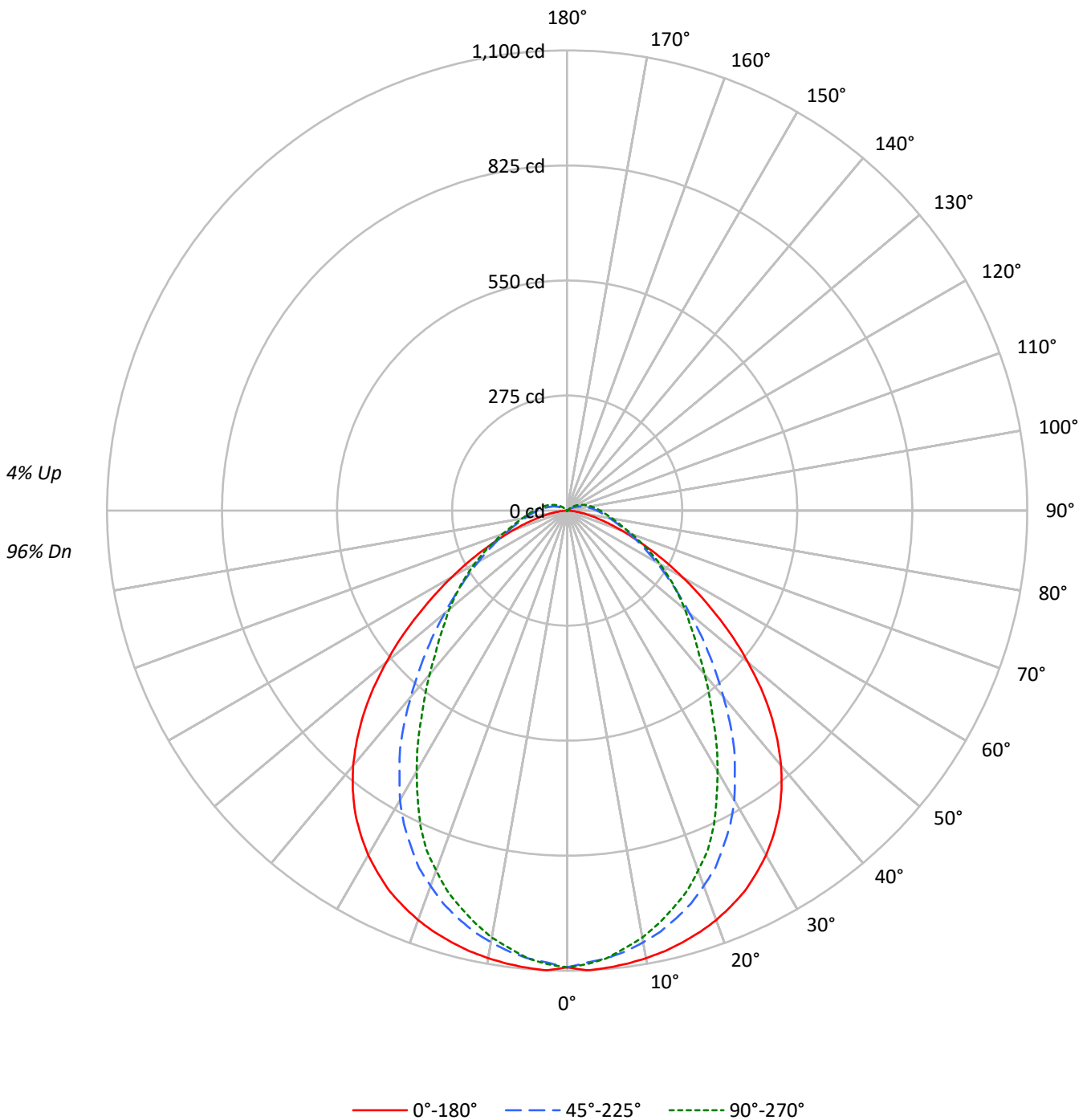
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		103	103	103		98	98	98	96
1	108	104	99	96	105	101	97	94	96	93	90		91	89	86		87	85	83	81
2	99	91	85	80	96	89	83	78	85	80	76		81	77	74		78	74	71	69
3	91	81	74	68	88	79	72	67	76	70	65		73	68	63		70	65	62	59
4	84	73	65	58	81	71	64	58	68	62	56		65	60	55		63	58	54	52
5	78	66	57	51	75	64	56	51	62	55	50		59	53	49		57	52	48	46
6	72	60	51	45	70	58	51	45	56	49	44		54	48	43		52	47	43	41
7	67	54	46	40	65	53	46	40	52	45	39		50	44	39		48	43	38	36
8	63	50	42	36	61	49	41	36	47	41	36		46	40	35		44	39	35	33
9	59	46	38	33	57	45	38	33	44	37	32		43	36	32		41	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30		40	34	29		38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70518	70518	70518
5°	70866	55726	51601
10°	70726	45694	39856
15°	70633	38191	31711
20°	70517	32158	25620
25°	70181	27023	20643
30°	69261	22485	16202
35°	67659	18311	12612
40°	64833	14417	9909
45°	60377	11264	7873
50°	53957	8709	6411
55°	46303	6778	5208
60°	38346	5316	4187
65°	30329	4182	3307
70°	23415	3311	2600
75°	17233	2691	2069
80°	12093	2218	1716
85°	6977	1871	1462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	4.2
10°-20°	287.1	11.7
20°-30°	413.7	16.8
30°-40°	448.1	18.2
40°-50°	396.9	16.1
50°-60°	302.0	12.3
60°-70°	201.2	8.2
70°-80°	124.3	5.1
80°-90°	77.9	3.2
90°-100°	51.2	2.1
100°-110°	31.4	1.3
110°-120°	16.2	0.7
120°-130°	5.3	0.2
130°-140°	0.3	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°	803.3	32.7
0°-40°	1251.4	50.9
0°-60°	1950.3	79.3
0°-90°	2353.7	95.8
90°-120°	98.7	4.0
90°-150°	104.4	4.2
90°-180°	104.0	4.2
0°-180°	2458.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1092	1092	1092	1092	1092	
5°	1097	1090	1074	1079	1074	104
15°	1068	1048	1009	995	983	302
25°	1004	957	885	847	830	462
35°	883	800	697	631	608	550
45°	689	581	476	440	431	528
55°	436	356	306	310	310	391
65°	216	190	195	206	207	218
75°	80	97	126	134	132	88
85°	14	50	85	94	92	17
90°	1	36	71	80	79	1
95°	1	26	59	68	68	1
105°	1	10	37	47	48	1
115°	1	1	19	29	32	1
125°	1	1	1	13	16	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°	1091.9	1091.9	1091.9	1091.9	1091.9
2.5°	1100.0	1093.9	1081.5	1088.7	1085.2
5°	1097.1	1090.2	1074.5	1078.6	1074.5
7.5°	1092.5	1083.8	1063.0	1064.7	1055.2
10°	1086.4	1074.8	1047.9	1045.1	1036.4
12.5°	1078.6	1062.4	1030.9	1019.3	1010.9
15°	1068.2	1047.9	1008.6	995.0	982.6
17.5°	1056.3	1030.3	984.6	968.2	953.4
20°	1041.6	1008.9	954.6	931.7	915.5
22.5°	1023.7	985.5	924.8	891.5	878.5
25°	1004.0	956.9	884.6	846.7	830.0
27.5°	978.3	925.4	845.0	797.6	773.6
30°	951.1	888.1	799.0	744.4	719.0
32.5°	918.4	847.3	745.8	687.7	665.2
35°	883.2	800.5	697.0	631.4	608.0
37.5°	841.5	749.9	638.9	578.8	558.2
40°	795.9	695.0	581.1	528.2	512.0
42.5°	743.8	639.2	526.7	481.0	467.2
45°	688.6	580.8	475.8	439.7	431.0
47.5°	628.5	522.4	428.1	402.4	396.1
50°	563.7	464.0	381.9	367.7	368.0
52.5°	502.1	408.8	342.6	338.8	337.9
55°	435.7	355.6	305.9	309.6	310.5
57.5°	375.5	306.1	274.6	281.6	282.4
60°	318.3	261.9	244.9	255.6	257.0
62.5°	266.0	224.0	219.4	230.4	230.1
65°	216.2	189.6	195.1	206.4	207.3
67.5°	174.0	161.6	174.9	184.7	184.1
70°	138.2	136.4	155.2	165.6	165.1
72.5°	107.5	115.3	139.9	148.9	146.6
75°	79.8	97.1	125.8	134.1	132.1
77.5°	58.7	82.1	113.3	121.4	120.0
80°	40.2	69.7	102.6	111.0	109.3
82.5°	25.7	59.3	93.4	101.5	100.3
85°	13.9	50.0	85.0	93.7	92.2
87.5°	5.2	42.5	77.5	86.1	85.6
90°	0.6	36.4	70.8	79.8	79.2
92.5°	0.9	30.9	64.5	73.7	73.7
95°	1.4	25.7	58.7	67.9	67.6
97.5°	1.2	21.7	52.3	62.4	62.4
100°	1.2	17.9	46.5	56.7	57.2
102.5°	1.2	14.2	41.6	51.5	52.6
105°	0.9	10.1	36.7	46.8	48.0
107.5°	0.9	5.8	31.8	42.5	43.9
110°	0.9	1.4	27.5	37.9	39.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	0.9	23.1	33.5	35.3
115°	0.9	0.9	18.8	29.2	31.8
117.5°	0.6	0.6	13.9	25.4	27.8
120°	0.6	0.6	8.7	21.4	23.7
122.5°	0.6	0.6	3.8	17.1	20.2
125°	0.6	0.6	0.6	12.7	15.9
127.5°	0.6	0.6	0.3	7.5	11.3
130°	0.6	0.6	0.3	2.9	6.9
132.5°	0.6	0.6	0.3	0.3	2.0
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)