

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: P290004

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-RB-30-L930-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2384.1 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

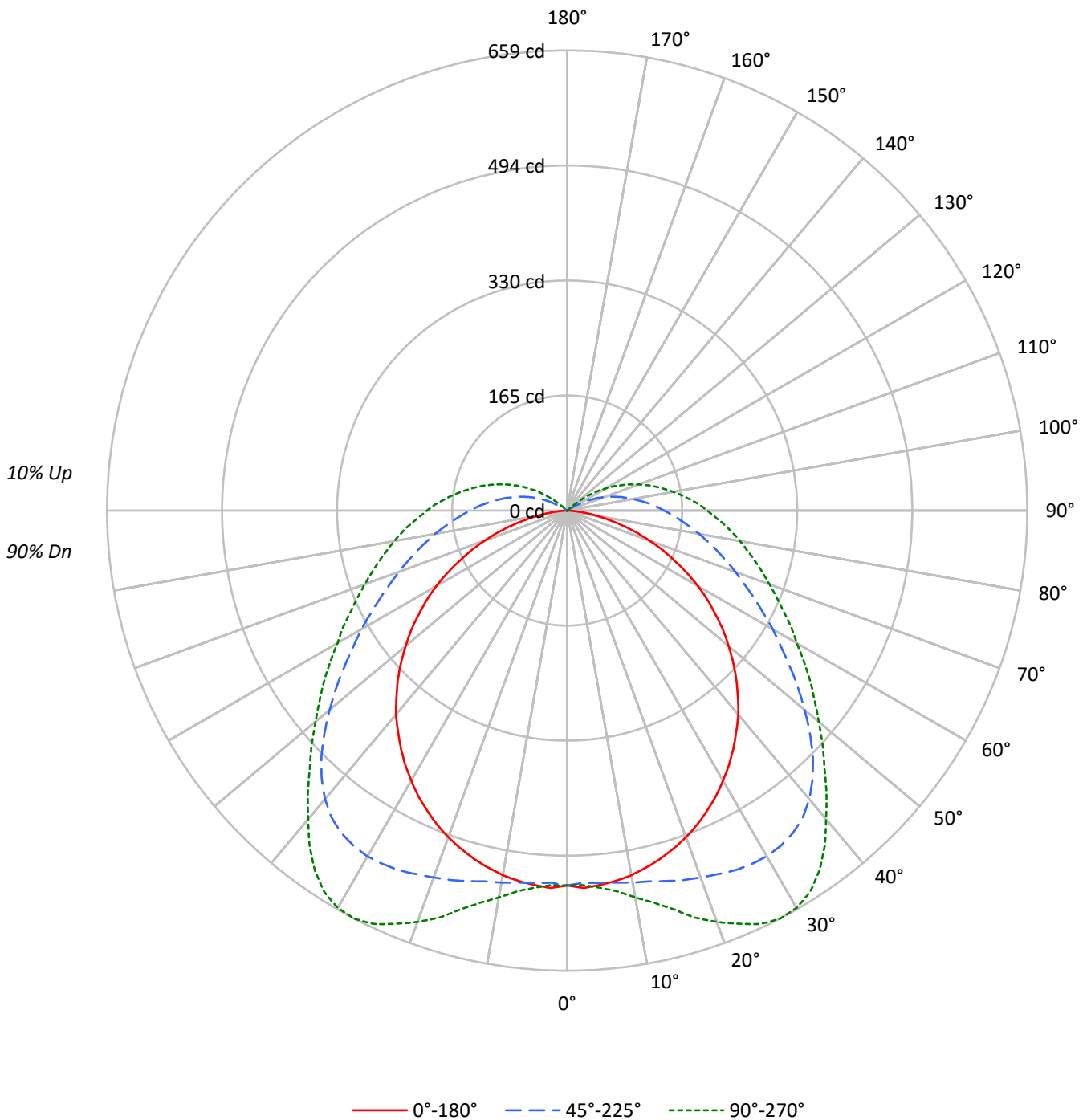
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70				
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57				
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47				
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39				
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34				
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29				
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25				
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22				
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20				
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34675	34675	34675
5°	34771	27752	26034
10°	34517	23586	21624
15°	34119	20799	19079
20°	33702	18834	17547
25°	33140	17364	16250
30°	32508	16091	14807
35°	31799	14809	13062
40°	31060	13385	11166
45°	30066	11785	9521
50°	28888	10127	8195
55°	27588	8628	7124
60°	26082	7381	6184
65°	23764	6322	5452
70°	21264	5469	4854
75°	17665	4755	4361
80°	12876	4143	3949
85°	6525	3601	3572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	2.2
10°-20°	157.1	6.6
20°-30°	261.4	11.0
30°-40°	338.1	14.2
40°-50°	357.1	15.0
50°-60°	329.3	13.8
60°-70°	276.7	11.6
70°-80°	216.8	9.1
80°-90°	159.5	6.7
90°-100°	113.7	4.8
100°-110°	73.0	3.1
110°-120°	38.3	1.6
120°-130°	11.1	0.5
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°	470.1	19.7
0°-40°	808.3	33.9
0°-60°	1494.7	62.7
0°-90°	2147.7	90.1
90°-120°	225.0	9.4
90°-150°	236.4	9.9
90°-180°	236.0	9.9
0°-180°	2384.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	538	538	535	542	542	51
15°	516	526	549	582	591	146
25°	474	501	568	633	653	219
35°	415	461	564	621	630	260
45°	343	404	498	519	521	264
55°	260	323	389	416	425	232
65°	169	232	295	331	342	169
75°	82	151	222	264	278	87
85°	13	88	164	210	225	17
90°	0	65	139	186	201	1
95°	1	47	117	163	178	1
105°	1	15	76	118	132	1
115°	1	1	36	73	86	1
125°	1	0	0	26	39	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°	536.9	536.9	536.9	536.9	536.9
2.5°	540.9	538.6	533.4	538.0	536.9
5°	538.3	538.0	535.1	542.1	542.1
7.5°	534.8	536.0	537.4	549.0	549.9
10°	530.2	533.7	540.9	558.5	562.3
12.5°	523.6	529.9	543.8	569.2	575.3
15°	516.0	526.2	549.3	581.9	591.2
17.5°	507.4	520.7	554.8	597.6	611.4
20°	497.8	515.2	559.1	611.7	627.0
22.5°	486.8	508.5	563.7	623.3	640.6
25°	474.1	500.7	568.4	633.4	653.4
27.5°	461.4	492.6	571.0	639.8	659.1
30°	446.4	483.7	571.8	640.6	657.1
32.5°	431.6	473.8	569.2	634.6	647.6
35°	415.1	461.4	563.7	621.3	629.7
37.5°	398.1	448.1	554.2	600.7	605.9
40°	381.3	435.7	539.5	574.7	577.0
42.5°	361.9	419.8	520.4	547.3	549.6
45°	342.9	403.9	497.8	519.2	521.2
47.5°	322.6	385.7	471.2	491.2	496.1
50°	301.8	365.7	444.1	465.2	470.4
52.5°	281.6	345.2	416.6	440.6	446.7
55°	259.6	322.6	389.4	416.0	424.7
57.5°	238.5	300.4	363.1	392.6	402.1
60°	216.5	277.5	340.0	370.9	379.6
62.5°	193.4	254.4	316.3	351.0	361.9
65°	169.4	231.9	294.9	331.0	341.7
67.5°	148.3	210.2	274.4	312.5	324.7
70°	125.5	189.4	256.4	296.0	308.2
72.5°	103.2	170.0	238.5	280.1	293.1
75°	81.8	150.9	222.3	264.5	278.4
77.5°	61.0	133.3	206.4	250.4	264.2
80°	42.8	117.1	191.7	236.8	251.5
82.5°	26.6	102.6	177.2	223.5	238.5
85°	13.0	88.2	163.6	210.2	225.2
87.5°	3.8	75.5	150.9	197.5	212.2
90°	0.3	64.8	138.8	185.9	200.6
92.5°	0.6	55.2	128.4	174.3	189.9
95°	0.9	46.8	116.8	163.1	177.5
97.5°	0.9	38.7	106.1	151.8	165.9
100°	0.9	30.9	95.7	139.9	154.4
102.5°	0.9	23.4	85.6	128.9	142.8
105°	0.9	15.3	76.0	118.2	132.1
107.5°	0.9	6.6	65.9	106.7	120.6
110°	0.9	1.4	56.1	96.0	109.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	0.9	46.8	84.7	98.3
115°	0.6	0.9	36.4	73.4	86.2
117.5°	0.6	0.6	24.9	62.4	75.5
120°	0.6	0.6	13.0	51.5	63.3
122.5°	0.6	0.3	2.6	39.3	52.3
125°	0.6	0.3	0.0	26.3	39.0
127.5°	0.6	0.3	0.0	13.6	26.6
130°	0.3	0.3	0.0	2.0	12.7
132.5°	0.3	0.3	0.0	0.0	0.6
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)