

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: P290000

Luminaire Tested: **4SSRK-RB-20-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290000  
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-20-L830-CD1-U  
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

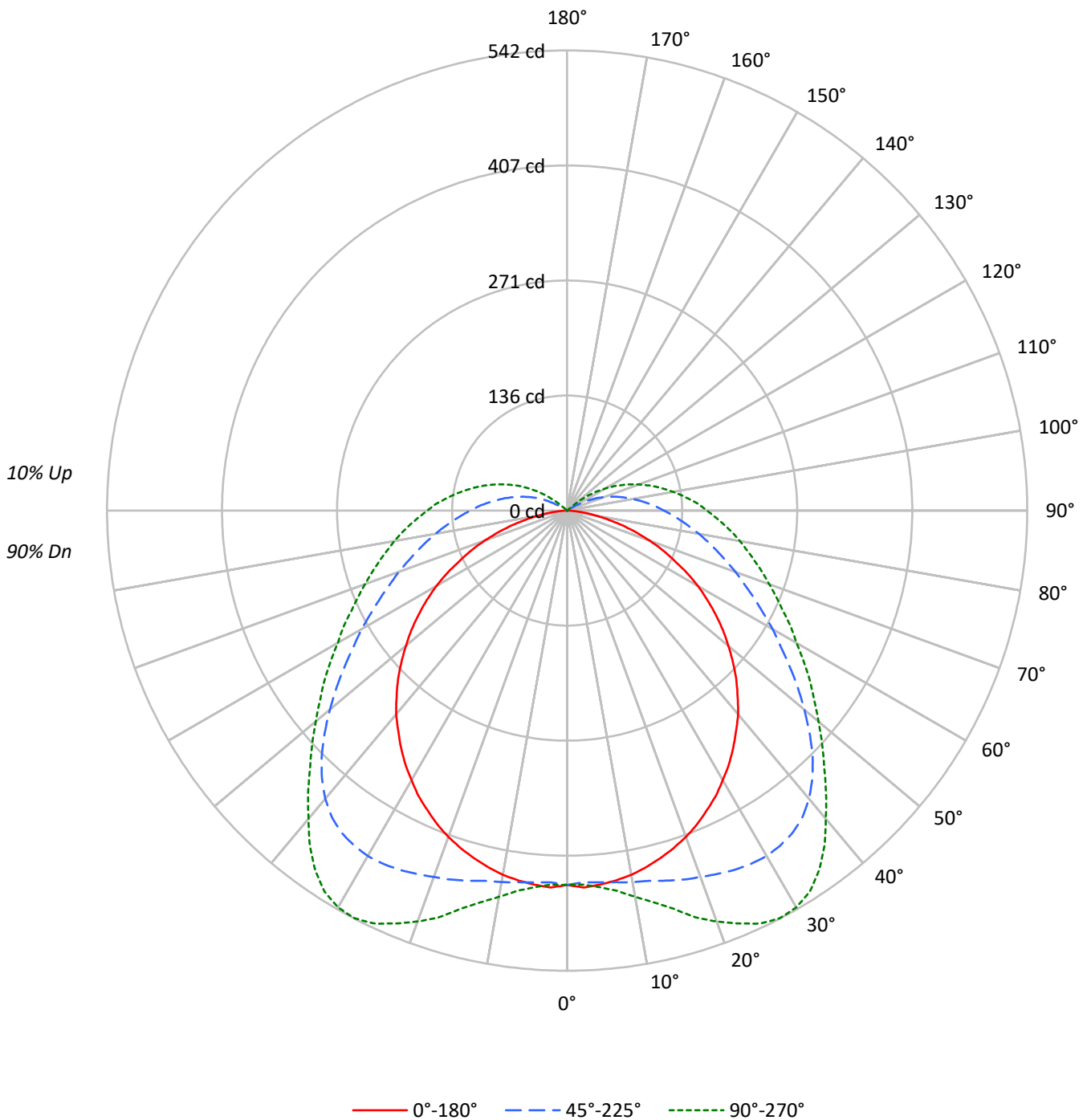
Lumens per Lamp: N/A  
Luminaire Lumens: 1958.5 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 13.7  
Input Voltage (V): NR  
Input Current (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	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°	28481	28481	28481
5°	28564	22799	21385
10°	28358	19378	17763
15°	28030	17085	15675
20°	27690	15472	14415
25°	27227	14263	13348
30°	26704	13221	12164
35°	26123	12166	10730
40°	25521	10996	9173
45°	24700	9683	7822
50°	23729	8319	6732
55°	22668	7088	5852
60°	21432	6063	5080
65°	19527	5192	4479
70°	17468	4495	3988
75°	14512	3906	3583
80°	10559	3404	3244
85°	5371	2958	2934



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	2.2
10°-20°	129.0	6.6
20°-30°	214.8	11.0
30°-40°	277.8	14.2
40°-50°	293.4	15.0
50°-60°	270.5	13.8
60°-70°	227.3	11.6
70°-80°	178.1	9.1
80°-90°	131.0	6.7
90°-100°	93.4	4.8
100°-110°	60.0	3.1
110°-120°	31.5	1.6
120°-130°	9.1	0.5
130°-140°	0.2	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°	386.2	19.7
0°-40°	664.0	33.9
0°-60°	1227.9	62.7
0°-90°	1764.3	90.1
90°-120°	184.8	9.4
90°-150°	194.2	9.9
90°-180°	194.0	9.9
0°-180°	1958.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	442	442	440	445	445	42
15°	424	432	451	478	486	120
25°	390	411	467	520	537	180
35°	341	379	463	510	517	213
45°	282	332	409	426	428	217
55°	213	265	320	342	349	191
65°	139	190	242	272	281	139
75°	67	124	183	217	229	71
85°	11	72	134	173	185	14
90°	0	53	114	153	165	1
95°	1	38	96	134	146	1
105°	1	13	62	97	108	1
115°	0	1	30	60	71	1
125°	0	0	0	22	32	0
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°	441.0	441.0	441.0	441.0	441.0
2.5°	444.4	442.5	438.2	442.0	441.0
5°	442.2	442.0	439.6	445.3	445.3
7.5°	439.4	440.3	441.5	451.0	451.7
10°	435.6	438.4	444.4	458.8	461.9
12.5°	430.1	435.3	446.7	467.6	472.6
15°	423.9	432.2	451.2	478.1	485.7
17.5°	416.8	427.7	455.8	490.9	502.3
20°	409.0	423.2	459.3	502.5	515.1
22.5°	399.9	417.8	463.1	512.0	526.3
25°	389.5	411.3	466.9	520.3	536.7
27.5°	379.0	404.7	469.1	525.6	541.5
30°	366.7	397.3	469.8	526.3	539.8
32.5°	354.6	389.3	467.6	521.3	532.0
35°	341.0	379.0	463.1	510.4	517.3
37.5°	327.0	368.1	455.3	493.5	497.8
40°	313.3	357.9	443.2	472.1	474.0
42.5°	297.3	344.8	427.5	449.6	451.5
45°	281.7	331.8	409.0	426.5	428.2
47.5°	265.0	316.8	387.1	403.5	407.5
50°	247.9	300.4	364.8	382.1	386.4
52.5°	231.3	283.6	342.2	361.9	366.9
55°	213.3	265.0	319.9	341.8	348.9
57.5°	195.9	246.8	298.3	322.5	330.4
60°	177.9	228.0	279.3	304.7	311.8
62.5°	158.9	209.0	259.8	288.3	297.3
65°	139.2	190.5	242.2	271.9	280.7
67.5°	121.8	172.7	225.4	256.7	266.7
70°	103.1	155.6	210.7	243.2	253.2
72.5°	84.8	139.6	195.9	230.1	240.8
75°	67.2	124.0	182.6	217.3	228.7
77.5°	50.1	109.5	169.6	205.7	217.1
80°	35.1	96.2	157.5	194.5	206.6
82.5°	21.8	84.3	145.6	183.6	195.9
85°	10.7	72.4	134.4	172.7	185.0
87.5°	3.1	62.0	124.0	162.2	174.3
90°	0.2	53.2	114.0	152.7	164.8
92.5°	0.5	45.4	105.4	143.2	156.0
95°	0.7	38.5	95.9	133.9	145.8
97.5°	0.7	31.8	87.2	124.7	136.3
100°	0.7	25.4	78.6	114.9	126.8
102.5°	0.7	19.2	70.3	105.9	117.3
105°	0.7	12.6	62.5	97.1	108.5
107.5°	0.7	5.5	54.1	87.6	99.0
110°	0.7	1.2	46.1	78.8	90.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	0.7	38.5	69.6	80.7
115°	0.5	0.7	29.9	60.3	70.8
117.5°	0.5	0.5	20.4	51.3	62.0
120°	0.5	0.5	10.7	42.3	52.0
122.5°	0.5	0.2	2.1	32.3	43.0
125°	0.5	0.2	0.0	21.6	32.1
127.5°	0.5	0.2	0.0	11.2	21.8
130°	0.2	0.2	0.0	1.7	10.4
132.5°	0.2	0.2	0.0	0.0	0.5
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)