

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: P290001

Luminaire Tested: **4SSRK-RB-20-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290001
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-L835-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1992.3 lumens
Efficiency: N/A
Efficacy: 145.4 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

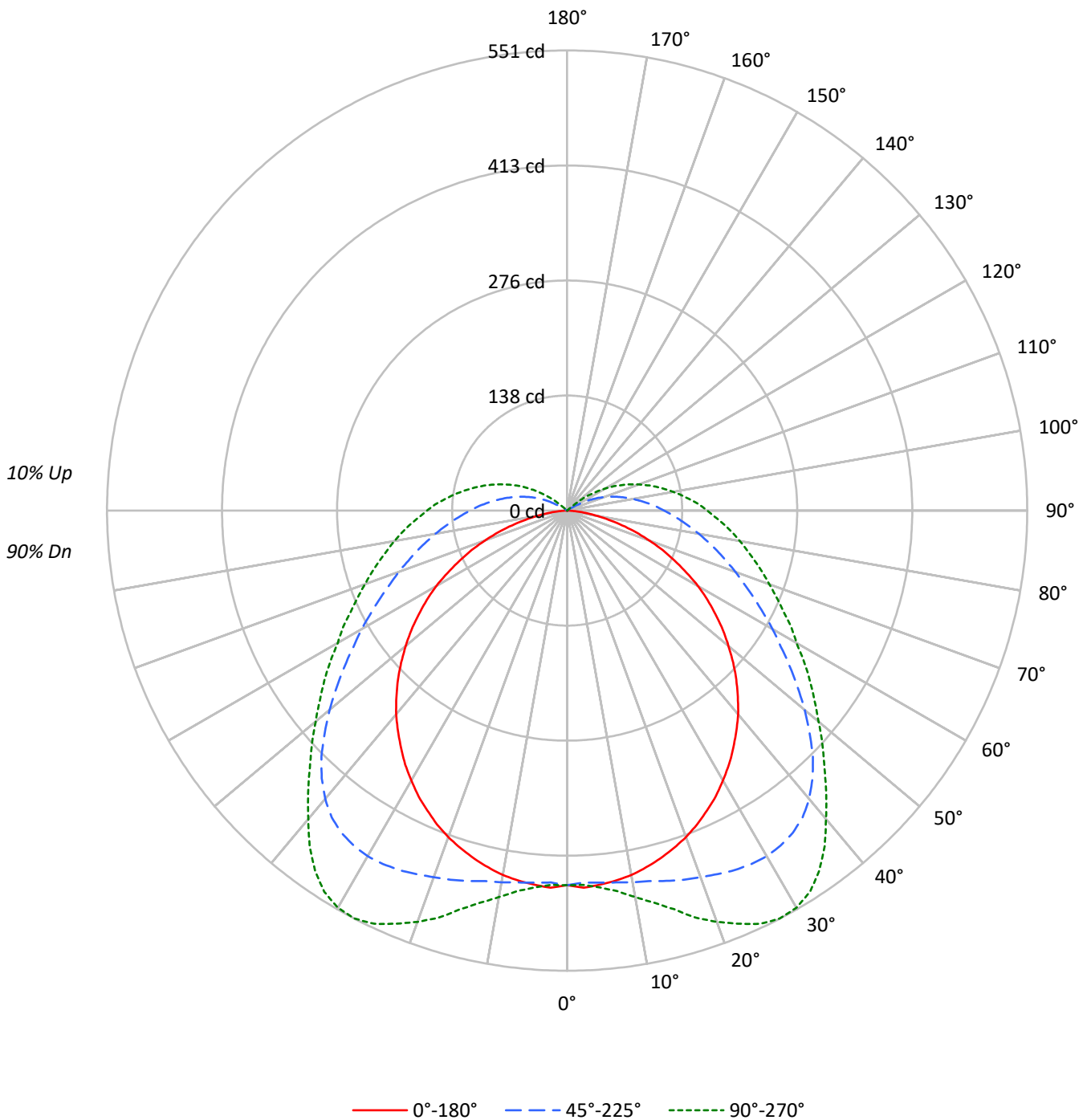
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	28972	28972	28972
5°	29054	23193	21755
10°	28846	19710	18071
15°	28512	17380	15946
20°	28164	15739	14664
25°	27695	14511	13579
30°	27163	13449	12373
35°	26575	12376	10915
40°	25961	11185	9332
45°	25121	9849	7957
50°	24141	8463	6849
55°	23051	7210	5953
60°	21805	6167	5168
65°	19864	5282	4557
70°	17773	4571	4055
75°	14771	3974	3645
80°	10770	3462	3301
85°	5471	3009	2985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	2.2
10°-20°	131.2	6.6
20°-30°	218.5	11.0
30°-40°	282.6	14.2
40°-50°	298.5	15.0
50°-60°	275.2	13.8
60°-70°	231.2	11.6
70°-80°	181.2	9.1
80°-90°	133.3	6.7
90°-100°	95.0	4.8
100°-110°	61.0	3.1
110°-120°	32.0	1.6
120°-130°	9.3	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°	392.9	19.7
0°-40°	675.5	33.9
0°-60°	1249.1	62.7
0°-90°	1794.8	90.1
90°-120°	188.0	9.4
90°-150°	197.5	9.9
90°-180°	198.0	9.9
0°-180°	1992.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	449	449	449	449	449	
5°	450	450	447	453	453	43
15°	431	440	459	486	494	122
25°	396	418	475	529	546	183
35°	347	386	471	519	526	217
45°	286	338	416	434	436	221
55°	217	270	325	348	355	194
65°	142	194	246	277	286	141
75°	68	126	186	221	233	73
85°	11	74	137	176	188	14
90°	0	54	116	155	168	1
95°	1	39	98	136	148	1
105°	1	13	64	99	110	1
115°	0	1	30	61	72	1
125°	0	0	0	22	33	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°	448.6	448.6	448.6	448.6	448.6
2.5°	452.0	450.1	445.7	449.6	448.6
5°	449.8	449.6	447.2	453.0	453.0
7.5°	446.9	447.9	449.1	458.8	459.5
10°	443.1	446.0	452.0	466.8	469.9
12.5°	437.5	442.8	454.4	475.7	480.8
15°	431.2	439.7	459.0	486.3	494.1
17.5°	424.0	435.1	463.6	499.4	511.0
20°	416.0	430.5	467.2	511.2	524.0
22.5°	406.8	425.0	471.1	520.9	535.4
25°	396.2	418.4	475.0	529.3	546.0
27.5°	385.6	411.7	477.1	534.6	550.8
30°	373.0	404.2	477.9	535.4	549.1
32.5°	360.7	396.0	475.7	530.3	541.2
35°	346.9	385.6	471.1	519.2	526.2
37.5°	332.7	374.5	463.1	502.0	506.4
40°	318.7	364.1	450.8	480.3	482.2
42.5°	302.5	350.8	434.9	457.3	459.3
45°	286.5	337.5	416.0	433.9	435.6
47.5°	269.6	322.3	393.8	410.5	414.6
50°	252.2	305.6	371.1	388.7	393.1
52.5°	235.3	288.5	348.1	368.2	373.3
55°	216.9	269.6	325.4	347.6	354.9
57.5°	199.3	251.0	303.4	328.1	336.1
60°	181.0	231.9	284.1	310.0	317.2
62.5°	161.6	212.6	264.3	293.3	302.5
65°	141.6	193.8	246.4	276.6	285.6
67.5°	123.9	175.6	229.3	261.2	271.3
70°	104.9	158.2	214.3	247.4	257.5
72.5°	86.2	142.1	199.3	234.1	245.0
75°	68.4	126.1	185.8	221.1	232.7
77.5°	51.0	111.4	172.5	209.2	220.8
80°	35.8	97.8	160.2	197.9	210.2
82.5°	22.2	85.8	148.1	186.7	199.3
85°	10.9	73.7	136.7	175.6	188.2
87.5°	3.1	63.1	126.1	165.0	177.3
90°	0.2	54.1	116.0	155.3	167.7
92.5°	0.5	46.1	107.3	145.7	158.7
95°	0.7	39.1	97.6	136.3	148.3
97.5°	0.7	32.4	88.7	126.8	138.7
100°	0.7	25.9	80.0	116.9	129.0
102.5°	0.7	19.6	71.5	107.7	119.3
105°	0.7	12.8	63.5	98.8	110.4
107.5°	0.7	5.6	55.1	89.1	100.7
110°	0.7	1.2	46.9	80.2	91.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	0.7	39.1	70.8	82.1
115°	0.5	0.7	30.4	61.4	72.0
117.5°	0.5	0.5	20.8	52.2	63.1
120°	0.5	0.5	10.9	43.0	52.9
122.5°	0.5	0.2	2.2	32.9	43.7
125°	0.5	0.2	0.0	22.0	32.6
127.5°	0.5	0.2	0.0	11.4	22.2
130°	0.2	0.2	0.0	1.7	10.6
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)