

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: P289997

Luminaire Tested: **4SSRK-RB-20-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289997
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-L935-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1673.6 lumens
Efficiency: N/A
Efficacy: 122.2 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

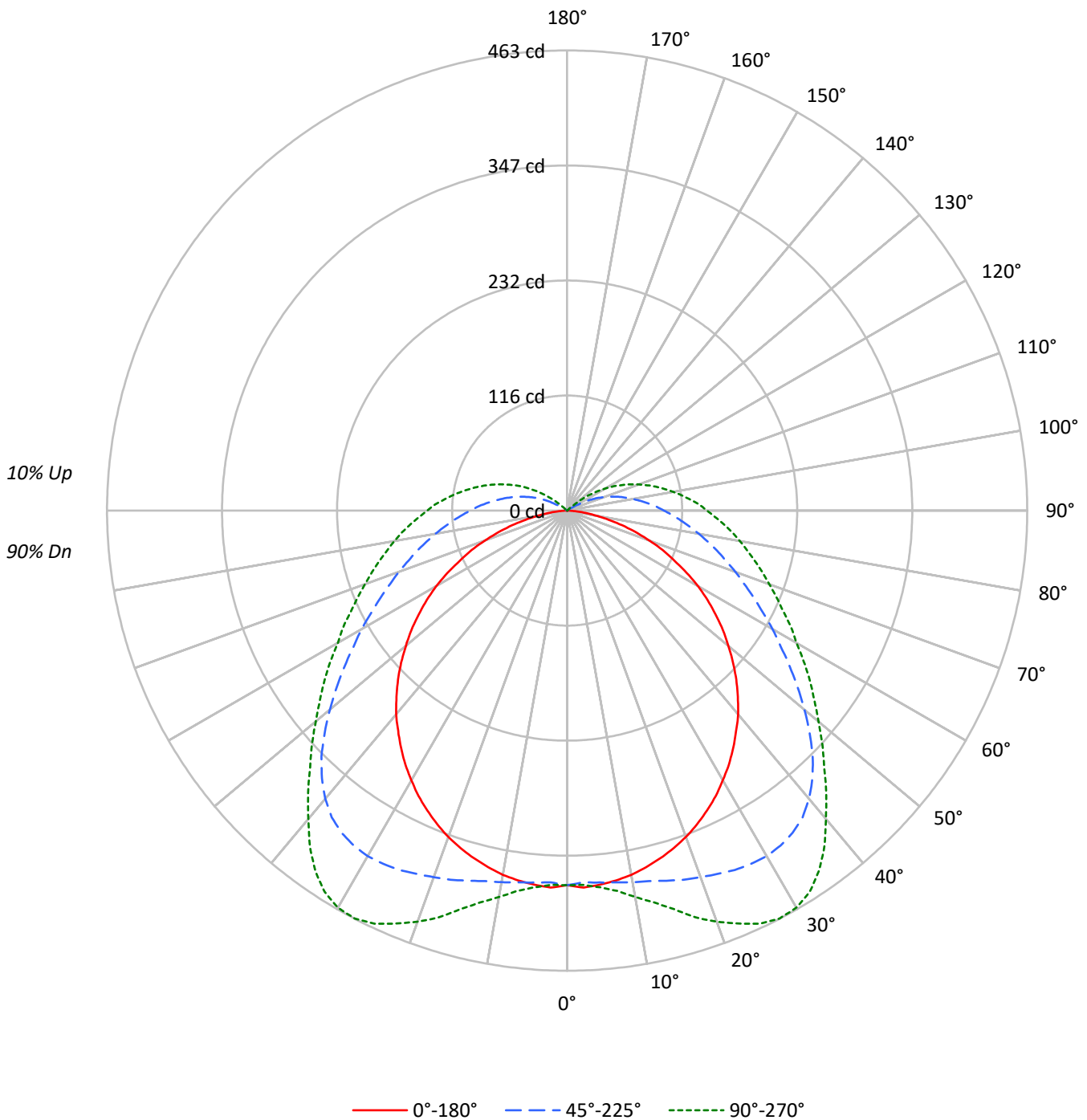
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					90			
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70					70			
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57					57			
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47					47			
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39					39			
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34					34			
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29					29			
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25					25			
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22					22			
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20					20			
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18					18			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24341	24341	24341
5°	24410	19480	18273
10°	24231	16557	15179
15°	23950	14601	13393
20°	23662	13222	12319
25°	23263	12189	11406
30°	22815	11296	10395
35°	22323	10395	9169
40°	21807	9396	7840
45°	21105	8274	6684
50°	20283	7108	5753
55°	19363	6058	5000
60°	18312	5182	4342
65°	16679	4437	3828
70°	14927	3840	3407
75°	12395	3339	3061
80°	9025	2907	2773
85°	4568	2529	2508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	2.2
10°-20°	110.2	6.6
20°-30°	183.5	11.0
30°-40°	237.4	14.2
40°-50°	250.7	15.0
50°-60°	231.2	13.8
60°-70°	194.3	11.6
70°-80°	152.2	9.1
80°-90°	112.0	6.7
90°-100°	79.8	4.8
100°-110°	51.3	3.1
110°-120°	26.9	1.6
120°-130°	7.8	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°	330.0	19.7
0°-40°	567.4	33.9
0°-60°	1049.2	62.7
0°-90°	1507.6	90.1
90°-120°	158.0	9.4
90°-150°	166.0	9.9
90°-180°	166.0	9.9
0°-180°	1673.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	377	377	377	377	377	
5°	378	378	376	380	380	36
15°	362	369	386	408	415	102
25°	333	352	399	445	459	153
35°	291	324	396	436	442	182
45°	241	284	350	364	366	185
55°	182	226	273	292	298	163
65°	119	163	207	232	240	118
75°	57	106	156	186	195	61
85°	9	62	115	148	158	12
90°	0	46	97	130	141	0
95°	1	33	82	114	125	0
105°	1	11	53	83	93	1
115°	0	1	26	52	60	0
125°	0	0	0	18	27	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°	376.9	376.9	376.9	376.9	376.9
2.5°	379.7	378.1	374.4	377.7	376.9
5°	377.9	377.7	375.6	380.5	380.5
7.5°	375.4	376.2	377.3	385.4	386.0
10°	372.2	374.6	379.7	392.1	394.7
12.5°	367.5	372.0	381.7	399.6	403.8
15°	362.2	369.3	385.6	408.5	415.0
17.5°	356.2	365.5	389.4	419.5	429.2
20°	349.5	361.6	392.5	429.4	440.2
22.5°	341.7	357.0	395.7	437.5	449.7
25°	332.8	351.5	399.0	444.6	458.6
27.5°	323.9	345.8	400.8	449.1	462.7
30°	313.3	339.5	401.4	449.7	461.3
32.5°	303.0	332.6	399.6	445.4	454.6
35°	291.4	323.9	395.7	436.1	442.0
37.5°	279.4	314.6	389.0	421.7	425.4
40°	267.7	305.8	378.7	403.4	405.1
42.5°	254.1	294.7	365.3	384.2	385.8
45°	240.7	283.5	349.5	364.5	365.9
47.5°	226.5	270.7	330.8	344.8	348.2
50°	211.9	256.7	311.7	326.5	330.2
52.5°	197.7	242.3	292.4	309.3	313.5
55°	182.2	226.5	273.4	292.0	298.1
57.5°	167.4	210.9	254.9	275.6	282.3
60°	152.0	194.8	238.7	260.4	266.5
62.5°	135.8	178.6	222.0	246.4	254.1
65°	118.9	162.8	207.0	232.4	239.9
67.5°	104.1	147.5	192.6	219.4	227.9
70°	88.1	132.9	180.0	207.8	216.3
72.5°	72.4	119.3	167.4	196.6	205.8
75°	57.4	105.9	156.1	185.7	195.4
77.5°	42.8	93.6	144.9	175.7	185.5
80°	30.0	82.2	134.5	166.2	176.6
82.5°	18.7	72.0	124.4	156.9	167.4
85°	9.1	61.9	114.9	147.5	158.1
87.5°	2.6	53.0	105.9	138.6	149.0
90°	0.2	45.5	97.4	130.5	140.8
92.5°	0.4	38.8	90.1	122.4	133.3
95°	0.6	32.9	82.0	114.5	124.6
97.5°	0.6	27.2	74.5	106.5	116.5
100°	0.6	21.7	67.2	98.2	108.4
102.5°	0.6	16.4	60.1	90.5	100.3
105°	0.6	10.8	53.4	83.0	92.7
107.5°	0.6	4.7	46.3	74.9	84.6
110°	0.6	1.0	39.4	67.4	76.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	0.6	32.9	59.5	69.0
115°	0.4	0.6	25.6	51.5	60.5
117.5°	0.4	0.4	17.5	43.8	53.0
120°	0.4	0.4	9.1	36.1	44.4
122.5°	0.4	0.2	1.8	27.6	36.7
125°	0.4	0.2	0.0	18.5	27.4
127.5°	0.4	0.2	0.0	9.5	18.7
130°	0.2	0.2	0.0	1.4	8.9
132.5°	0.2	0.2	0.0	0.0	0.4
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)