

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: P289998

Luminaire Tested: **4SSRK-RB-20-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289998
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-L940-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1714.1 lumens
Efficiency: N/A
Efficacy: 125.1 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

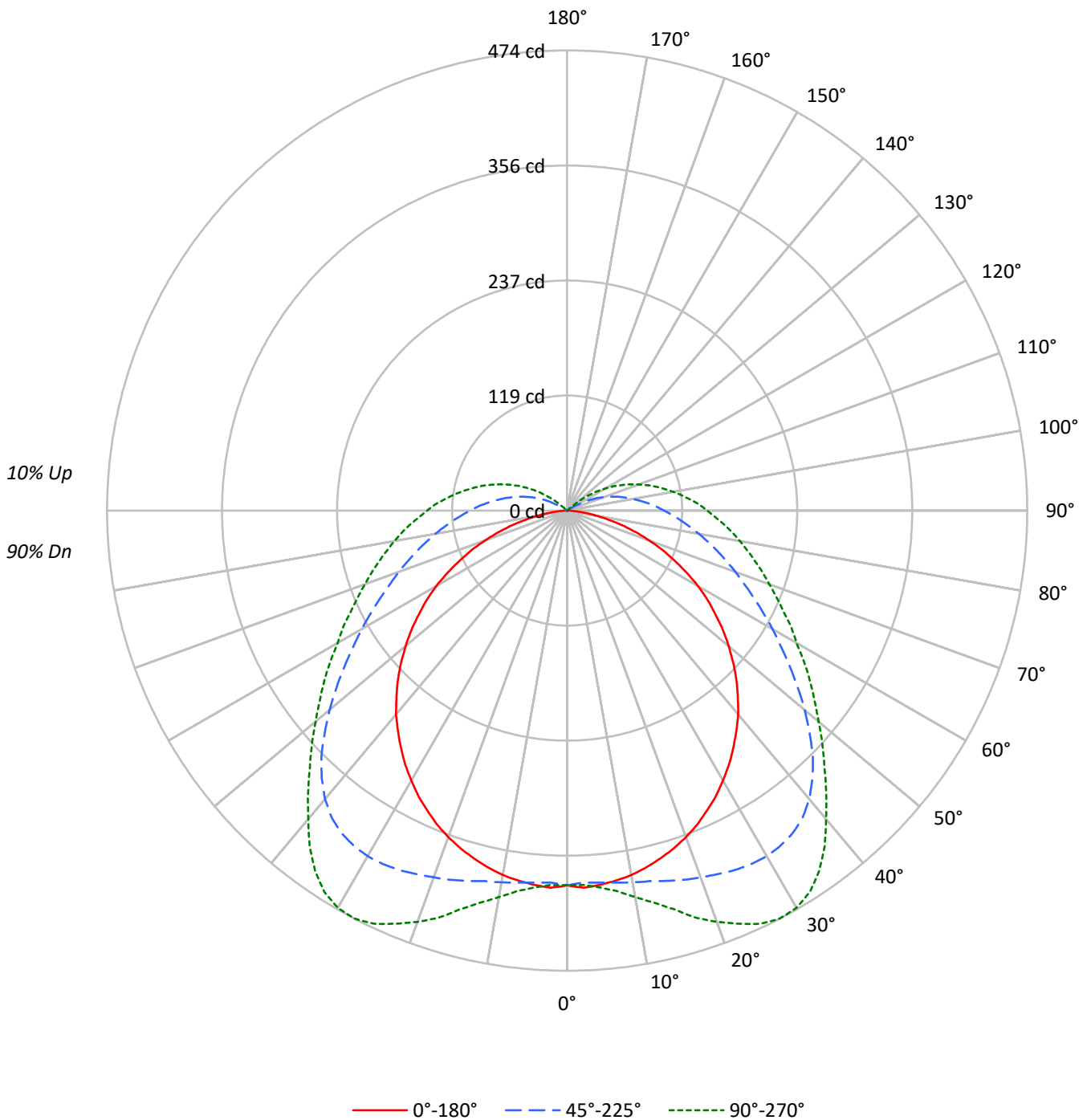
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	24929	24929	24929
5°	24998	19951	18715
10°	24816	16958	15548
15°	24532	14953	13719
20°	24230	13542	12616
25°	23829	12482	11682
30°	23369	11569	10645
35°	22867	10648	9390
40°	22336	9624	8029
45°	21613	8473	6846
50°	20771	7281	5892
55°	19841	6204	5121
60°	18757	5306	4446
65°	17086	4545	3920
70°	15283	3934	3490
75°	12698	3418	3136
80°	9266	2978	2839
85°	4718	2588	2568



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	2.2
10°-20°	112.9	6.6
20°-30°	188.0	11.0
30°-40°	243.1	14.2
40°-50°	256.8	15.0
50°-60°	236.8	13.8
60°-70°	198.9	11.6
70°-80°	155.9	9.1
80°-90°	114.7	6.7
90°-100°	81.7	4.8
100°-110°	52.5	3.1
110°-120°	27.5	1.6
120°-130°	8.0	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°	338.0	19.7
0°-40°	581.1	33.9
0°-60°	1074.6	62.7
0°-90°	1544.1	90.1
90°-120°	161.8	9.4
90°-150°	170.0	9.9
90°-180°	170.0	9.9
0°-180°	1714.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	386	386	386	386	386	
5°	387	387	385	390	390	37
15°	371	378	395	418	425	105
25°	341	360	409	455	470	157
35°	298	332	405	447	453	187
45°	246	290	358	373	375	190
55°	187	232	280	299	305	167
65°	122	167	212	238	246	121
75°	59	108	160	190	200	63
85°	9	63	118	151	162	12
90°	0	47	100	134	144	0
95°	1	34	84	117	128	0
105°	1	11	55	85	95	1
115°	0	1	26	53	62	0
125°	0	0	0	19	28	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°	386.0	386.0	386.0	386.0	386.0
2.5°	388.9	387.2	383.5	386.8	386.0
5°	387.0	386.8	384.7	389.7	389.7
7.5°	384.5	385.4	386.4	394.7	395.3
10°	381.2	383.7	388.9	401.6	404.3
12.5°	376.4	381.0	391.0	409.3	413.6
15°	371.0	378.3	394.9	418.4	425.1
17.5°	364.8	374.3	398.9	429.6	439.6
20°	357.9	370.4	402.0	439.8	450.8
22.5°	350.0	365.6	405.3	448.1	460.6
25°	340.9	360.0	408.6	455.4	469.7
27.5°	331.7	354.2	410.5	460.0	473.9
30°	320.9	347.7	411.1	460.6	472.4
32.5°	310.3	340.7	409.3	456.2	465.6
35°	298.5	331.7	405.3	446.7	452.7
37.5°	286.2	322.2	398.5	431.9	435.7
40°	274.2	313.2	387.9	413.2	414.9
42.5°	260.2	301.8	374.1	393.5	395.1
45°	246.5	290.4	357.9	373.3	374.8
47.5°	232.0	277.3	338.8	353.1	356.7
50°	217.0	262.9	319.3	334.4	338.2
52.5°	202.4	248.2	299.5	316.8	321.1
55°	186.7	232.0	280.0	299.1	305.3
57.5°	171.5	216.0	261.1	282.3	289.1
60°	155.7	199.5	244.4	266.7	272.9
62.5°	139.1	182.9	227.4	252.3	260.2
65°	121.8	166.7	212.0	238.0	245.7
67.5°	106.6	151.1	197.3	224.7	233.4
70°	90.2	136.1	184.4	212.8	221.6
72.5°	74.2	122.2	171.5	201.4	210.8
75°	58.8	108.5	159.8	190.2	200.2
77.5°	43.9	95.8	148.4	180.0	190.0
80°	30.8	84.2	137.8	170.2	180.8
82.5°	19.1	73.8	127.4	160.7	171.5
85°	9.4	63.4	117.6	151.1	161.9
87.5°	2.7	54.2	108.5	142.0	152.6
90°	0.2	46.6	99.8	133.6	144.2
92.5°	0.4	39.7	92.3	125.3	136.6
95°	0.6	33.7	84.0	117.2	127.6
97.5°	0.6	27.9	76.3	109.1	119.3
100°	0.6	22.2	68.8	100.6	111.0
102.5°	0.6	16.8	61.5	92.7	102.7
105°	0.6	11.0	54.7	85.0	95.0
107.5°	0.6	4.8	47.4	76.7	86.7
110°	0.6	1.0	40.3	69.0	78.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	0.6	33.7	60.9	70.7
115°	0.4	0.6	26.2	52.8	61.9
117.5°	0.4	0.4	17.9	44.9	54.2
120°	0.4	0.4	9.4	37.0	45.5
122.5°	0.4	0.2	1.9	28.3	37.6
125°	0.4	0.2	0.0	18.9	28.1
127.5°	0.4	0.2	0.0	9.8	19.1
130°	0.2	0.2	0.0	1.5	9.1
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

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