

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: P289999

Luminaire Tested: **4SSRK-RB-20-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289999
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-L950-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1825.5 lumens
Efficiency: N/A
Efficacy: 133.3 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

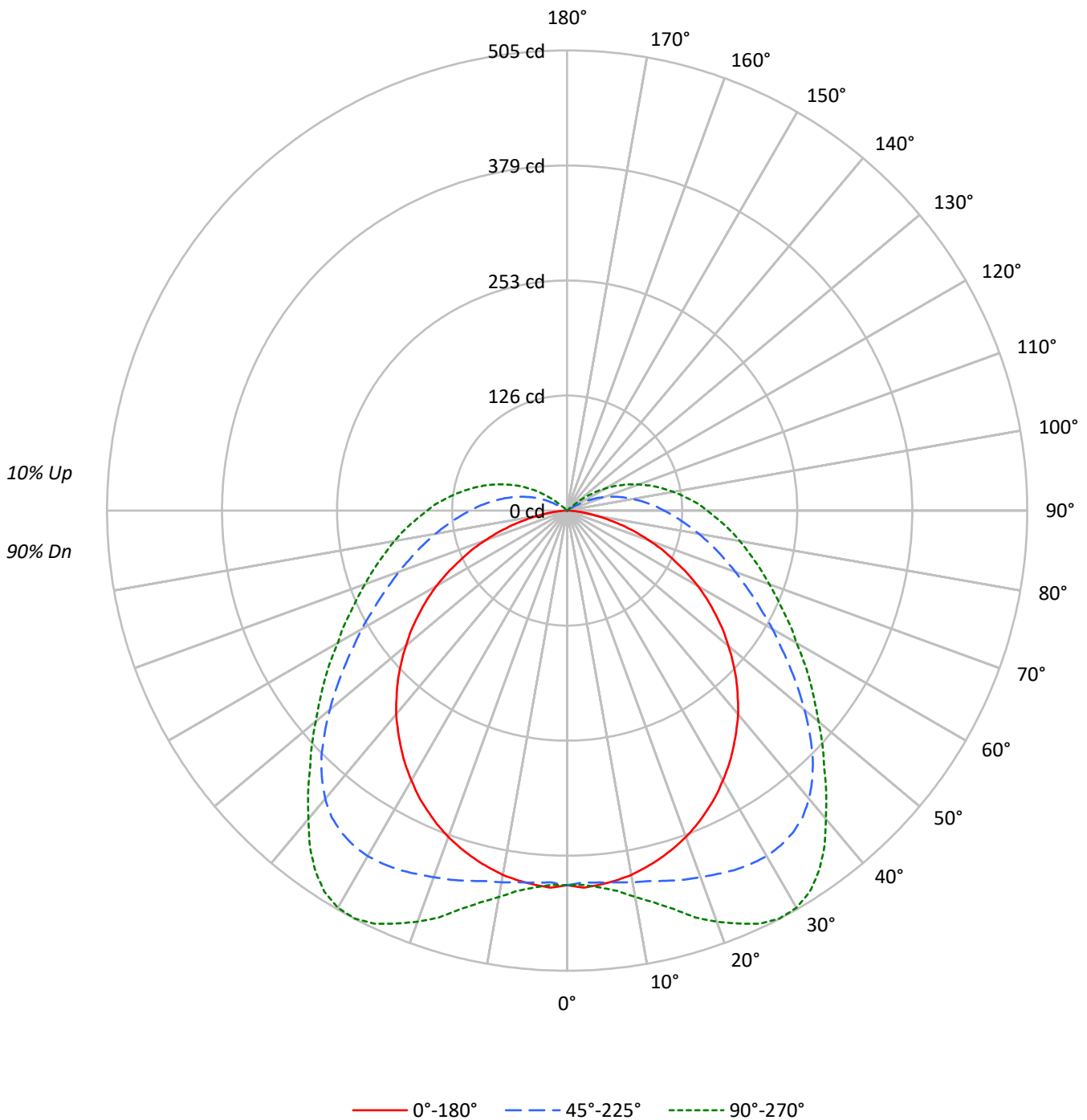
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289999

CATALOG NUMBER: 4SSRK-RB-20-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289999

CATALOG NUMBER: 4SSRK-RB-20-L950-CD1-U

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°	26550	26550	26550
5°	26626	21248	19935
10°	26431	18061	16559
15°	26125	15926	14610
20°	25808	14421	13436
25°	25374	13295	12443
30°	24891	12323	11339
35°	24353	11341	10000
40°	23786	10249	8550
45°	23016	9025	7290
50°	22121	7753	6275
55°	21127	6608	5455
60°	19974	5651	4736
65°	18195	4840	4175
70°	16282	4190	3717
75°	13518	3641	3340
80°	9867	3173	3024
85°	5020	2758	2734



TEST NUMBER: P289999

CATALOG NUMBER: 4SSRK-RB-20-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	2.2
10°-20°	120.3	6.6
20°-30°	200.2	11.0
30°-40°	258.9	14.2
40°-50°	273.5	15.0
50°-60°	252.1	13.8
60°-70°	211.9	11.6
70°-80°	166.0	9.1
80°-90°	122.1	6.7
90°-100°	87.0	4.8
100°-110°	55.9	3.1
110°-120°	29.3	1.6
120°-130°	8.5	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°	360.0	19.7
0°-40°	618.9	33.9
0°-60°	1144.5	62.7
0°-90°	1644.5	90.1
90°-120°	172.3	9.4
90°-150°	181.0	9.9
90°-180°	181.0	9.9
0°-180°	1825.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	411	411	411	411	411	
5°	412	412	410	415	415	39
15°	395	403	421	446	453	111
25°	363	383	435	485	500	167
35°	318	353	432	476	482	199
45°	262	309	381	398	399	202
55°	199	247	298	318	325	178
65°	130	178	226	254	262	129
75°	63	116	170	202	213	67
85°	10	68	125	161	172	13
90°	0	50	106	142	154	1
95°	1	36	89	125	136	1
105°	1	12	58	90	101	1
115°	0	1	28	56	66	1
125°	0	0	0	20	30	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



TEST NUMBER: P289999

CATALOG NUMBER: 4SSRK-RB-20-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	411.1	411.1	411.1	411.1	411.1
2.5°	414.2	412.4	408.4	412.0	411.1
5°	412.2	412.0	409.7	415.1	415.1
7.5°	409.5	410.4	411.5	420.4	421.0
10°	406.0	408.6	414.2	427.7	430.6
12.5°	400.9	405.8	416.4	435.9	440.5
15°	395.1	402.9	420.6	445.6	452.7
17.5°	388.5	398.7	424.8	457.6	468.2
20°	381.2	394.5	428.1	468.4	480.1
22.5°	372.8	389.4	431.7	477.3	490.5
25°	363.0	383.4	435.2	485.0	500.3
27.5°	353.3	377.2	437.2	489.9	504.7
30°	341.8	370.3	437.9	490.5	503.2
32.5°	330.5	362.8	435.9	485.9	495.9
35°	317.9	353.3	431.7	475.7	482.1
37.5°	304.8	343.1	424.4	460.0	464.0
40°	292.0	333.6	413.1	440.1	441.8
42.5°	277.1	321.4	398.5	419.0	420.8
45°	262.5	309.2	381.2	397.6	399.1
47.5°	247.0	295.3	360.8	376.1	379.9
50°	231.1	280.0	340.0	356.2	360.2
52.5°	215.6	264.3	319.0	337.4	342.0
55°	198.8	247.0	298.2	318.5	325.2
57.5°	182.6	230.0	278.0	300.6	307.9
60°	165.8	212.5	260.3	284.0	290.7
62.5°	148.1	194.8	242.2	268.7	277.1
65°	129.7	177.5	225.8	253.5	261.7
67.5°	113.6	160.9	210.1	239.3	248.6
70°	96.1	145.0	196.4	226.7	236.0
72.5°	79.0	130.2	182.6	214.5	224.5
75°	62.6	115.6	170.2	202.5	213.2
77.5°	46.7	102.0	158.1	191.7	202.3
80°	32.8	89.7	146.8	181.3	192.6
82.5°	20.4	78.6	135.7	171.1	182.6
85°	10.0	67.5	125.3	160.9	172.4
87.5°	2.9	57.8	115.6	151.2	162.5
90°	0.2	49.6	106.3	142.3	153.6
92.5°	0.4	42.3	98.3	133.5	145.4
95°	0.7	35.9	89.4	124.8	135.9
97.5°	0.7	29.7	81.2	116.2	127.1
100°	0.7	23.7	73.3	107.1	118.2
102.5°	0.7	17.9	65.5	98.7	109.4
105°	0.7	11.7	58.2	90.5	101.2
107.5°	0.7	5.1	50.5	81.7	92.3
110°	0.7	1.1	42.9	73.5	83.9



TEST NUMBER: P289999

CATALOG NUMBER: 4SSRK-RB-20-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	0.7	35.9	64.9	75.3
115°	0.4	0.7	27.9	56.2	66.0
117.5°	0.4	0.4	19.0	47.8	57.8
120°	0.4	0.4	10.0	39.4	48.5
122.5°	0.4	0.2	2.0	30.1	40.1
125°	0.4	0.2	0.0	20.1	29.9
127.5°	0.4	0.2	0.0	10.4	20.4
130°	0.2	0.2	0.0	1.5	9.7
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)