

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: P290439

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLW-20-L950-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1777.4 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

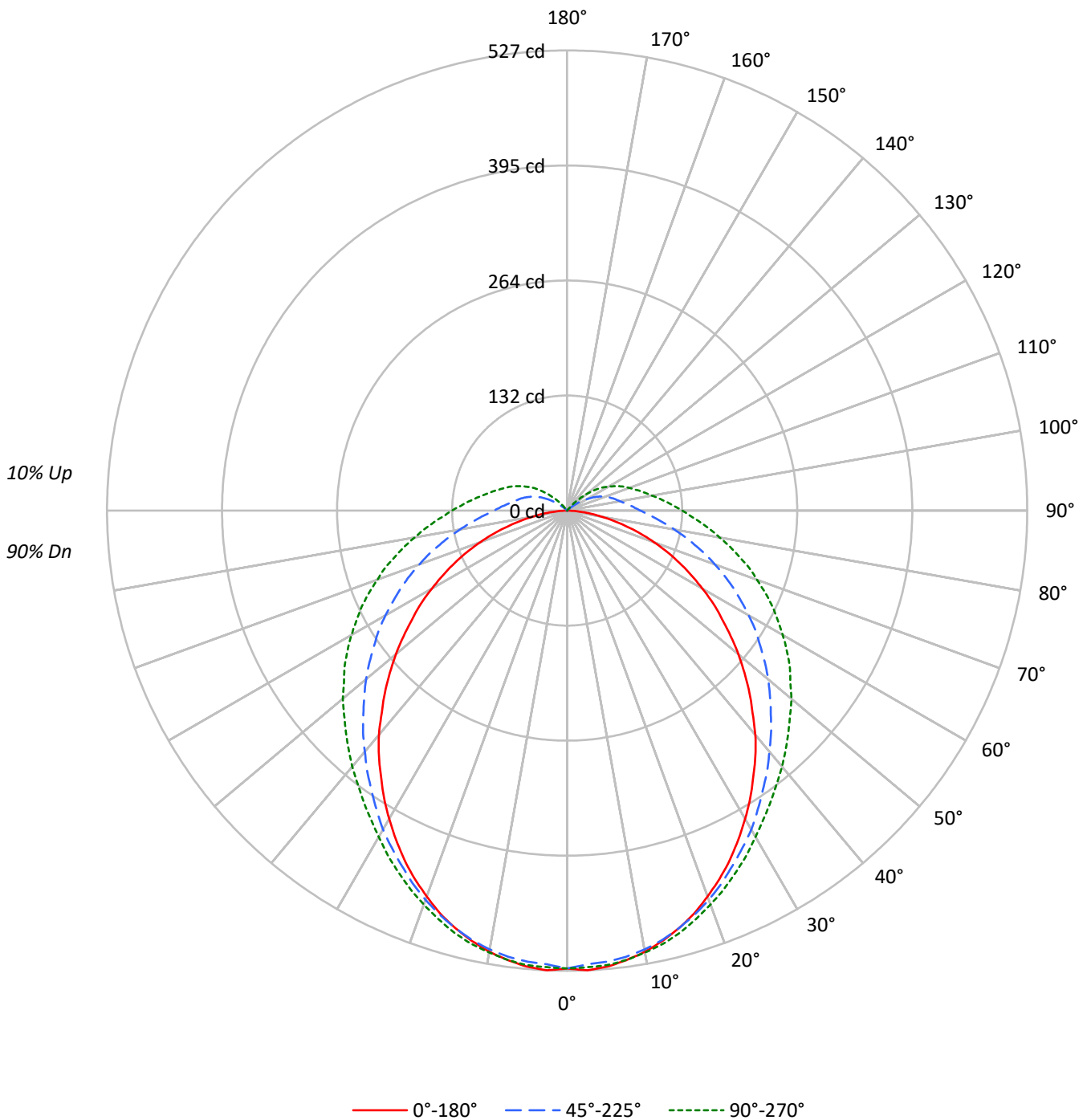
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33867	33867	33867
5°	33873	26896	25097
10°	33403	22256	19766
15°	32731	18743	16146
20°	31833	15981	13436
25°	30840	13701	11368
30°	29690	11873	9721
35°	28475	10264	8434
40°	27321	8942	7410
45°	25892	7813	6547
50°	24514	6855	5843
55°	23008	5978	5220
60°	21552	5214	4648
65°	19906	4504	4139
70°	17926	3840	3643
75°	15354	3230	3194
80°	12063	2689	2784
85°	7881	2241	2427



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	2.8
10°-20°	140.2	7.9
20°-30°	207.3	11.7
30°-40°	244.9	13.8
40°-50°	254.6	14.3
50°-60°	240.0	13.5
60°-70°	204.6	11.5
70°-80°	154.7	8.7
80°-90°	104.4	5.9
90°-100°	71.7	4.0
100°-110°	51.4	2.9
110°-120°	33.0	1.9
120°-130°	16.8	0.9
130°-140°	4.3	0.2
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	397.1	22.3
0°-40°	641.9	36.1
0°-60°	1136.5	63.9
0°-90°	1600.2	90.0
90°-120°	156.0	8.8
90°-150°	177.2	10.0
90°-180°	177.0	10.0
0°-180°	1777.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	524	524	524	524	524	
5°	524	523	519	524	523	50
15°	495	496	495	500	500	139
25°	441	446	448	456	457	203
35°	372	380	391	402	407	233
45°	295	310	330	350	358	228
55°	216	239	270	299	311	194
65°	142	171	210	245	259	141
75°	71	106	151	190	204	76
85°	16	53	102	140	153	18
90°	0	37	84	119	132	1
95°	0	30	71	103	114	0
105°	0	19	54	78	87	0
115°	0	2	37	59	66	0
125°	0	1	16	36	44	0
135°	0	0	0	12	17	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°	524.4	524.4	524.4	524.4	524.4
2.5°	527.0	525.3	520.2	524.6	523.5
5°	524.4	523.1	518.6	523.5	522.6
7.5°	519.3	519.1	515.5	520.6	519.1
10°	513.1	513.3	510.4	515.5	514.0
12.5°	504.7	505.6	503.6	508.5	508.2
15°	495.0	496.5	495.0	499.8	500.3
17.5°	483.9	486.3	485.2	491.2	490.5
20°	470.2	473.5	474.4	480.3	480.1
22.5°	456.4	460.6	462.2	468.4	469.3
25°	441.2	446.3	448.5	456.2	457.1
27.5°	424.6	431.2	435.2	442.9	444.9
30°	407.7	414.8	421.9	429.7	431.4
32.5°	390.3	398.0	406.2	416.8	418.8
35°	371.7	380.5	390.7	402.4	406.6
37.5°	354.2	364.1	376.1	389.8	394.2
40°	335.4	345.5	360.4	375.9	382.9
42.5°	314.3	328.1	345.8	364.4	370.6
45°	295.3	309.9	330.0	350.4	358.4
47.5°	275.4	292.4	315.2	337.8	346.4
50°	256.1	274.7	300.6	325.0	335.4
52.5°	236.2	257.2	285.3	312.3	322.1
55°	216.5	238.8	269.8	298.8	311.2
57.5°	198.8	221.6	255.9	285.5	298.2
60°	178.9	205.2	240.2	272.0	285.3
62.5°	160.5	187.3	224.7	258.5	271.8
65°	141.9	170.7	210.1	244.8	259.4
67.5°	124.4	153.4	195.2	231.3	245.3
70°	105.8	137.2	180.0	217.2	231.3
72.5°	88.8	121.1	165.8	203.4	218.7
75°	71.1	105.6	151.0	189.5	203.9
77.5°	55.3	90.5	137.7	176.4	190.8
80°	40.1	76.8	124.4	163.4	177.3
82.5°	27.2	64.2	112.7	151.4	165.1
85°	15.7	52.9	101.8	139.5	153.0
87.5°	6.0	44.0	92.1	129.1	141.4
90°	0.2	37.4	83.7	119.3	131.9
92.5°	0.2	32.8	77.3	110.5	122.2
95°	0.2	29.7	71.3	102.7	114.2
97.5°	0.4	27.2	66.0	95.8	106.0
100°	0.4	24.8	61.5	89.2	98.9
102.5°	0.4	22.4	57.6	83.2	92.3
105°	0.4	19.0	54.0	77.7	86.6
107.5°	0.4	14.8	50.0	73.0	80.8
110°	0.4	10.8	45.8	68.4	75.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	6.6	42.1	63.8	71.1
115°	0.4	2.4	37.4	58.7	66.0
117.5°	0.4	0.9	31.9	53.8	60.2
120°	0.4	0.7	26.6	48.5	54.9
122.5°	0.4	0.7	21.0	42.7	49.6
125°	0.4	0.7	15.7	36.5	43.8
127.5°	0.4	0.4	10.2	30.1	36.7
130°	0.4	0.4	4.9	23.9	30.3
132.5°	0.4	0.4	0.2	17.5	23.7
135°	0.4	0.2	0.2	11.5	17.0
137.5°	0.4	0.2	0.0	5.5	11.1
140°	0.4	0.2	0.0	0.0	4.4
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)