

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: P290479

Luminaire Tested: **8SSRK-SLW-40-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290479
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: 8SSRK-SLW-40-L950-CD1-U
Description: 4000 LUMEN, 8 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: 3550.3 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

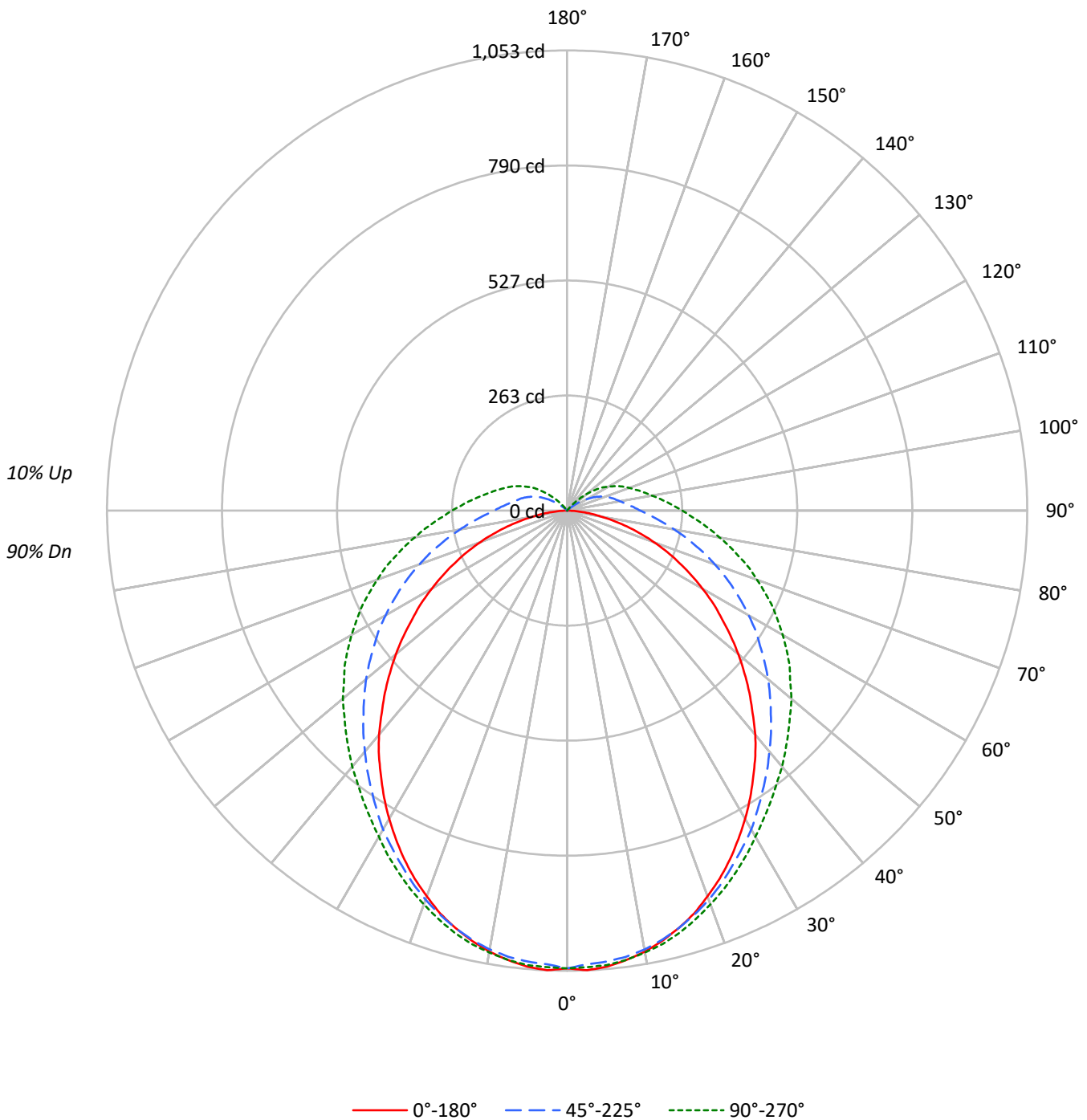
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33825	33825	33825
5°	33893	26892	25066
10°	33483	22269	19741
15°	32869	18761	16125
20°	32028	16001	13419
25°	31095	13723	11355
30°	30009	11897	9710
35°	28845	10286	8424
40°	27753	8962	7401
45°	26385	7834	6539
50°	25078	6873	5836
55°	23640	5997	5214
60°	22272	5229	4642
65°	20728	4517	4134
70°	18879	3852	3639
75°	16427	3241	3190
80°	13305	2699	2781
85°	9396	2250	2423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	2.8
10°-20°	279.9	7.9
20°-30°	414.2	11.7
30°-40°	489.1	13.8
40°-50°	508.5	14.3
50°-60°	479.4	13.5
60°-70°	408.6	11.5
70°-80°	309.0	8.7
80°-90°	208.5	5.9
90°-100°	143.2	4.0
100°-110°	102.7	2.9
110°-120°	65.9	1.9
120°-130°	33.6	0.9
130°-140°	8.5	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°	793.1	22.3
0°-40°	1282.2	36.1
0°-60°	2270.1	63.9
0°-90°	3196.3	90.0
90°-120°	311.7	8.8
90°-150°	354.0	10.0
90°-180°	354.0	10.0
0°-180°	3550.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1048	1048	1048	1048	1048	
5°	1048	1045	1036	1046	1044	99
15°	989	992	989	998	999	278
25°	881	891	896	911	913	405
35°	742	760	780	804	812	465
45°	590	619	659	700	716	455
55°	432	477	539	597	622	388
65°	283	341	420	489	518	281
75°	142	211	302	378	407	152
85°	31	106	203	279	306	36
90°	0	75	167	238	264	2
95°	0	59	142	205	228	1
105°	1	38	108	155	173	1
115°	1	5	75	117	132	1
125°	1	1	31	73	88	1
135°	1	0	0	23	34	1
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°	1047.5	1047.5	1047.5	1047.5	1047.5
2.5°	1052.8	1049.2	1039.1	1047.9	1045.7
5°	1047.5	1044.8	1036.0	1045.7	1043.9
7.5°	1037.3	1036.9	1029.8	1040.0	1036.9
10°	1024.9	1025.4	1019.6	1029.8	1026.7
12.5°	1008.1	1009.9	1005.9	1015.6	1015.2
15°	988.7	991.8	988.7	998.4	999.3
17.5°	966.6	971.4	969.2	981.1	979.8
20°	939.1	945.8	947.5	959.5	959.0
22.5°	911.7	920.1	923.2	935.6	937.4
25°	881.2	891.4	895.8	911.3	913.1
27.5°	848.1	861.3	869.3	884.8	888.7
30°	814.5	828.6	842.8	858.2	861.8
32.5°	779.5	795.0	811.4	832.6	836.6
35°	742.4	760.1	780.4	803.8	812.2
37.5°	707.5	727.3	751.2	778.6	787.5
40°	669.9	690.2	719.8	750.8	764.9
42.5°	627.9	655.3	690.6	727.8	740.2
45°	589.8	619.0	659.3	699.9	715.9
47.5°	550.0	584.1	629.6	674.7	692.0
50°	511.6	548.7	600.4	649.1	669.9
52.5°	471.8	513.8	569.9	623.9	643.3
55°	432.4	477.1	539.0	596.9	621.7
57.5°	397.1	442.6	511.1	570.4	595.6
60°	357.3	409.9	479.7	543.4	569.9
62.5°	320.6	374.1	448.8	516.4	543.0
65°	283.4	340.9	419.6	489.0	518.2
67.5°	248.5	306.4	390.0	462.1	489.9
70°	211.4	274.1	359.5	433.8	462.1
72.5°	177.3	241.9	331.2	406.3	436.9
75°	141.9	210.9	301.6	378.5	407.2
77.5°	110.5	180.8	275.0	352.4	381.1
80°	80.0	153.4	248.5	326.3	354.2
82.5°	54.4	128.2	225.1	302.4	329.8
85°	31.4	105.7	203.4	278.6	305.5
87.5°	11.9	88.0	183.9	257.8	282.5
90°	0.4	74.7	167.1	238.3	263.5
92.5°	0.4	65.4	154.3	220.6	244.1
95°	0.4	59.2	142.4	205.2	228.2
97.5°	0.9	54.4	131.8	191.5	211.8
100°	0.9	49.5	122.9	178.2	197.6
102.5°	0.9	44.7	115.0	166.3	184.4
105°	0.9	38.0	107.9	155.2	172.9
107.5°	0.9	29.6	99.9	145.9	161.4
110°	0.9	21.7	91.5	136.6	151.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	13.3	84.0	127.3	141.9
115°	0.9	4.9	74.7	117.2	131.8
117.5°	0.9	1.8	63.7	107.4	120.3
120°	0.9	1.3	53.1	96.8	109.7
122.5°	0.9	1.3	42.0	85.3	99.0
125°	0.9	1.3	31.4	73.0	87.5
127.5°	0.9	0.9	20.3	60.1	73.4
130°	0.9	0.9	9.7	47.8	60.6
132.5°	0.9	0.9	0.4	34.9	47.3
135°	0.9	0.4	0.4	23.0	34.0
137.5°	0.9	0.4	0.0	11.1	22.1
140°	0.9	0.4	0.0	0.0	8.8
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)