

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: P290485

Luminaire Tested: **8SSRK-SLW-50-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290485
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-50-L935-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4097.4 lumens
Efficiency: N/A
Efficacy: 119.8 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

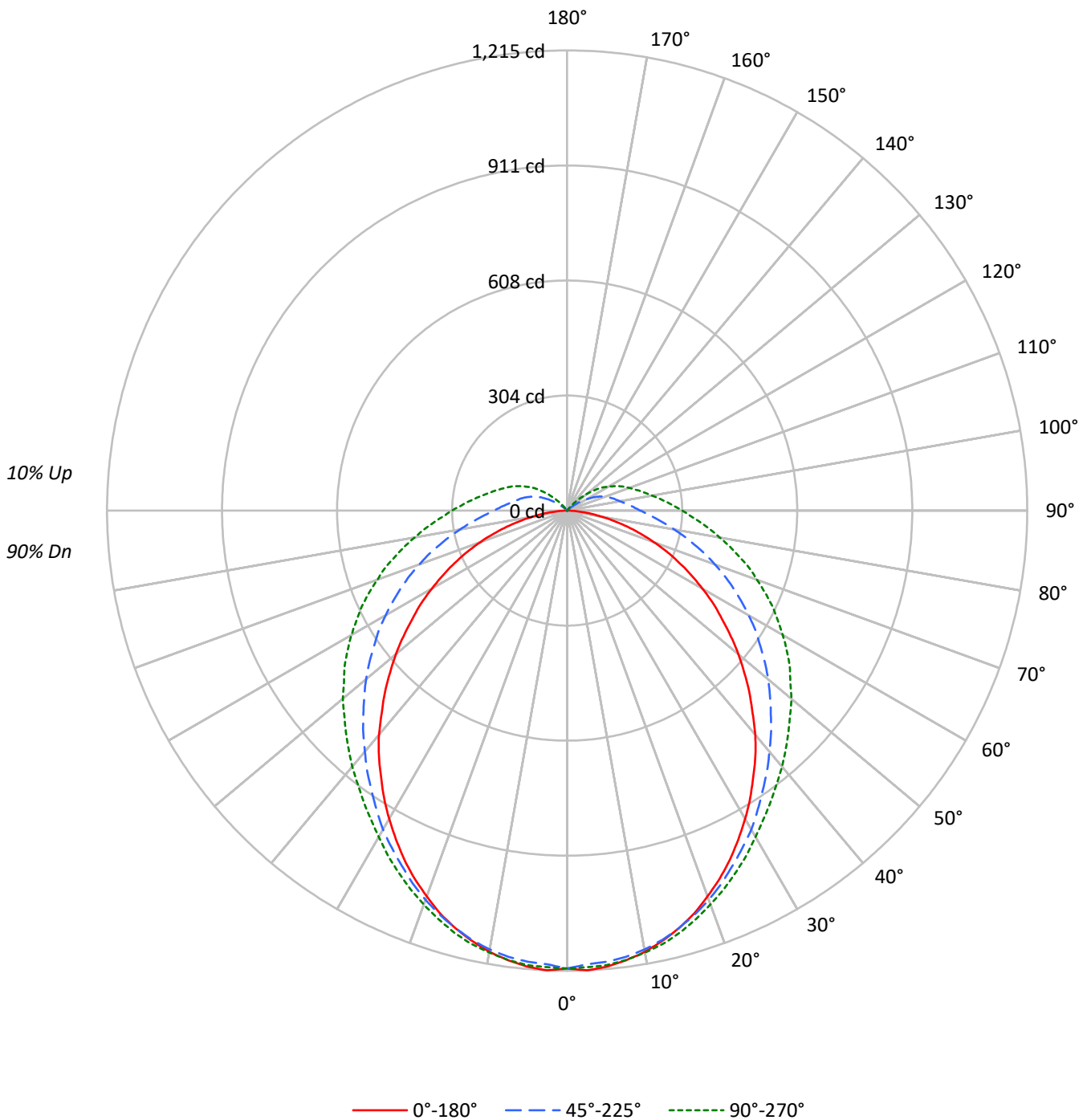
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39037	39037	39037
5°	39115	31035	28929
10°	38645	25700	22783
15°	37933	21651	18610
20°	36967	18469	15487
25°	35887	15839	13104
30°	34633	13729	11206
35°	33290	11872	9722
40°	32029	10344	8542
45°	30451	9040	7546
50°	28941	7933	6735
55°	27287	6920	6018
60°	25700	6036	5358
65°	23924	5214	4771
70°	21781	4446	4199
75°	18962	3739	3682
80°	15367	3114	3209
85°	10833	2596	2796



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	2.8
10°-20°	323.1	7.9
20°-30°	478.0	11.7
30°-40°	564.5	13.8
40°-50°	586.8	14.3
50°-60°	553.3	13.5
60°-70°	471.6	11.5
70°-80°	356.7	8.7
80°-90°	240.7	5.9
90°-100°	165.2	4.0
100°-110°	118.5	2.9
110°-120°	76.0	1.9
120°-130°	38.8	0.9
130°-140°	9.8	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°	915.3	22.3
0°-40°	1479.8	36.1
0°-60°	2620.0	63.9
0°-90°	3688.9	90.0
90°-120°	359.8	8.8
90°-150°	408.5	10.0
90°-180°	409.0	10.0
0°-180°	4097.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1209	1206	1196	1207	1205	115
15°	1141	1145	1141	1152	1153	321
25°	1017	1029	1034	1052	1054	468
35°	857	877	901	928	937	537
45°	681	714	761	808	826	525
55°	499	551	622	689	718	448
65°	327	393	484	564	598	325
75°	164	243	348	437	470	175
85°	36	122	235	322	353	41
90°	0	86	193	275	304	2
95°	0	68	164	237	263	1
105°	1	44	124	179	200	1
115°	1	6	86	135	152	1
125°	1	2	36	84	101	1
135°	1	0	0	26	39	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°	1208.9	1208.9	1208.9	1208.9	1208.9
2.5°	1215.0	1210.9	1199.2	1209.4	1206.8
5°	1208.9	1205.8	1195.6	1206.8	1204.8
7.5°	1197.2	1196.6	1188.5	1200.2	1196.6
10°	1182.9	1183.4	1176.7	1188.5	1184.9
12.5°	1163.5	1165.5	1160.9	1172.1	1171.6
15°	1141.0	1144.6	1141.0	1152.2	1153.3
17.5°	1115.5	1121.1	1118.6	1132.3	1130.8
20°	1083.9	1091.5	1093.6	1107.3	1106.8
22.5°	1052.2	1061.9	1065.5	1079.8	1081.8
25°	1017.0	1028.8	1033.9	1051.7	1053.8
27.5°	978.7	994.1	1003.2	1021.1	1025.7
30°	940.0	956.3	972.6	990.5	994.6
32.5°	899.6	917.5	936.4	960.9	965.5
35°	856.8	877.2	900.7	927.7	937.4
37.5°	816.5	839.4	867.0	898.6	908.8
40°	773.1	796.6	830.8	866.5	882.8
42.5°	724.6	756.3	797.1	839.9	854.2
45°	680.7	714.4	760.8	807.8	826.2
47.5°	634.8	674.1	726.7	778.7	798.6
50°	590.4	633.3	693.0	749.1	773.1
52.5°	544.5	593.0	657.8	720.0	742.5
55°	499.1	550.6	622.0	688.9	717.5
57.5°	458.2	510.8	589.9	658.3	687.4
60°	412.3	473.0	553.7	627.2	657.8
62.5°	370.0	431.7	517.9	596.0	626.6
65°	327.1	393.4	484.3	564.4	598.1
67.5°	286.8	353.6	450.1	533.3	565.4
70°	243.9	316.4	414.9	500.6	533.3
72.5°	204.6	279.1	382.2	469.0	504.2
75°	163.8	243.4	348.0	436.8	470.0
77.5°	127.6	208.7	317.4	406.7	439.9
80°	92.4	177.1	286.8	376.6	408.7
82.5°	62.8	148.0	259.7	349.0	380.7
85°	36.2	122.0	234.7	321.5	352.6
87.5°	13.8	101.5	212.3	297.5	326.1
90°	0.5	86.2	192.9	275.0	304.1
92.5°	0.5	75.5	178.1	254.6	281.7
95°	0.5	68.4	164.3	236.8	263.3
97.5°	1.0	62.8	152.1	221.0	244.4
100°	1.0	57.2	141.9	205.6	228.1
102.5°	1.0	51.5	132.7	191.9	212.8
105°	1.0	43.9	124.5	179.1	199.5
107.5°	1.0	34.2	115.3	168.4	186.3
110°	1.0	25.0	105.6	157.7	175.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	15.3	97.0	147.0	163.8
115°	1.0	5.6	86.2	135.2	152.1
117.5°	1.0	2.0	73.5	124.0	138.8
120°	1.0	1.5	61.2	111.8	126.6
122.5°	1.0	1.5	48.5	98.5	114.3
125°	1.0	1.5	36.2	84.2	101.0
127.5°	1.0	1.0	23.5	69.4	84.7
130°	1.0	1.0	11.2	55.1	69.9
132.5°	1.0	1.0	0.5	40.3	54.6
135°	1.0	0.5	0.5	26.5	39.3
137.5°	1.0	0.5	0.0	12.8	25.5
140°	1.0	0.5	0.0	0.0	10.2
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)