

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: P290487

Luminaire Tested: **8SSRK-SLW-50-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290487  
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-L950-CD1-U  
Description: 5000 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: 4469.5 lumens  
Efficiency: N/A  
Efficacy: 130.7 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

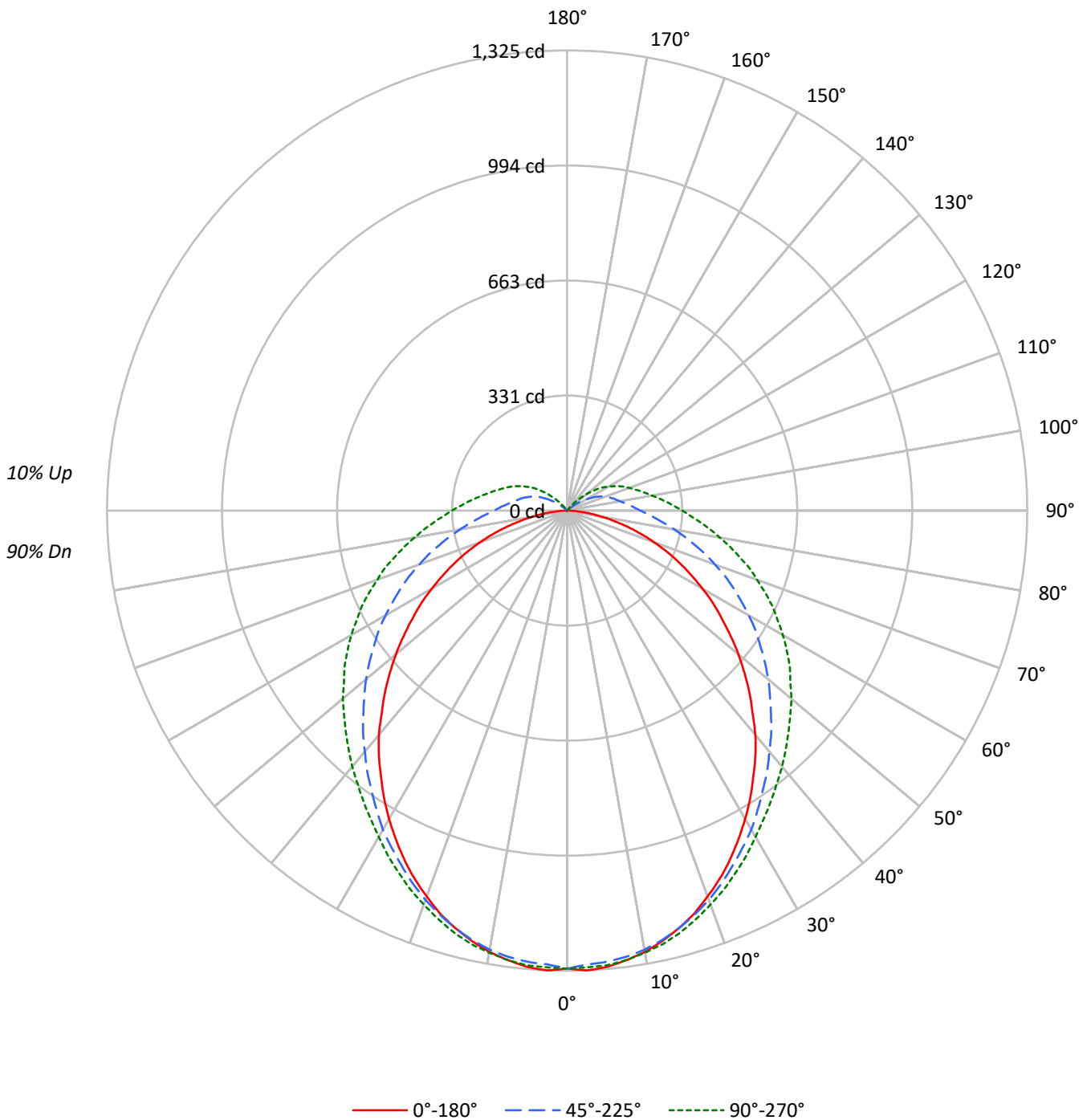
Input Watts (W): 34.1991  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	42583	42583	42583
5°	42668	33854	31556
10°	42154	28034	24852
15°	41377	23616	20299
20°	40323	20146	16893
25°	39147	17276	14293
30°	37776	14976	12224
35°	36313	12950	10605
40°	34937	11283	9318
45°	33216	9861	8231
50°	31569	8653	7346
55°	29763	7548	6564
60°	28038	6583	5845
65°	26097	5687	5205
70°	23763	4848	4581
75°	20687	4079	4016
80°	16764	3397	3501
85°	11820	2833	3050



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.6	2.8
10°-20°	352.4	7.9
20°-30°	521.4	11.7
30°-40°	615.8	13.8
40°-50°	640.1	14.3
50°-60°	603.5	13.5
60°-70°	514.4	11.5
70°-80°	389.1	8.7
80°-90°	262.5	5.9
90°-100°	180.2	4.0
100°-110°	129.3	2.9
110°-120°	82.9	1.9
120°-130°	42.3	0.9
130°-140°	10.7	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°	998.4	22.3
0°-40°	1614.2	36.1
0°-60°	2857.8	63.9
0°-90°	4023.9	90.0
90°-120°	392.4	8.8
90°-150°	445.6	10.0
90°-180°	446.0	10.0
0°-180°	4469.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1319	1319	1319	1319	1319	
5°	1319	1315	1304	1316	1314	125
15°	1245	1248	1245	1257	1258	350
25°	1109	1122	1128	1147	1149	510
35°	935	957	982	1012	1022	585
45°	742	779	830	881	901	573
55°	544	601	678	752	783	488
65°	357	429	528	616	652	354
75°	179	266	380	476	513	191
85°	40	133	256	351	385	45
90°	1	94	210	300	332	2
95°	1	75	179	258	287	1
105°	1	48	136	195	218	1
115°	1	6	94	148	166	1
125°	1	2	40	92	110	1
135°	1	1	1	29	43	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°	1318.7	1318.7	1318.7	1318.7	1318.7
2.5°	1325.3	1320.9	1308.1	1319.2	1316.4
5°	1318.7	1315.3	1304.2	1316.4	1314.2
7.5°	1305.9	1305.3	1296.4	1309.2	1305.3
10°	1290.3	1290.8	1283.6	1296.4	1292.5
12.5°	1269.1	1271.3	1266.3	1278.6	1278.0
15°	1244.6	1248.5	1244.6	1256.9	1258.0
17.5°	1216.8	1222.9	1220.1	1235.2	1233.5
20°	1182.3	1190.6	1192.9	1207.9	1207.3
22.5°	1147.8	1158.4	1162.2	1177.8	1180.1
25°	1109.4	1122.2	1127.7	1147.2	1149.4
27.5°	1067.6	1084.3	1094.3	1113.8	1118.8
30°	1025.3	1043.1	1060.9	1080.4	1084.9
32.5°	981.3	1000.8	1021.4	1048.1	1053.1
35°	934.6	956.9	982.5	1012.0	1022.5
37.5°	890.6	915.7	945.7	980.2	991.4
40°	843.3	868.9	906.2	945.2	963.0
42.5°	790.4	824.9	869.5	916.2	931.8
45°	742.5	779.3	829.9	881.2	901.2
47.5°	692.5	735.3	792.6	849.4	871.1
50°	644.0	690.8	755.9	817.1	843.3
52.5°	593.9	646.8	717.5	785.4	809.9
55°	544.4	600.6	678.5	751.5	782.6
57.5°	499.9	557.2	643.5	718.1	749.8
60°	449.8	516.0	603.9	684.1	717.5
62.5°	403.6	470.9	565.0	650.1	683.5
65°	356.8	429.2	528.2	615.6	652.4
67.5°	312.8	385.7	491.0	581.7	616.7
70°	266.1	345.1	452.5	546.1	581.7
72.5°	223.2	304.5	416.9	511.5	550.0
75°	178.7	265.5	379.6	476.5	512.7
77.5°	139.2	227.7	346.2	443.6	479.8
80°	100.8	193.2	312.8	410.8	445.9
82.5°	68.5	161.4	283.3	380.7	415.2
85°	39.5	133.0	256.1	350.7	384.6
87.5°	15.0	110.8	231.6	324.5	355.7
90°	0.6	94.1	210.4	300.0	331.8
92.5°	0.6	82.4	194.3	277.8	307.3
95°	0.6	74.6	179.2	258.3	287.2
97.5°	1.1	68.5	165.9	241.0	266.6
100°	1.1	62.3	154.7	224.3	248.8
102.5°	1.1	56.2	144.7	209.3	232.1
105°	1.1	47.9	135.8	195.4	217.6
107.5°	1.1	37.3	125.8	183.7	203.2
110°	1.1	27.3	115.2	172.0	190.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	16.7	105.8	160.3	178.7
115°	1.1	6.1	94.1	147.5	165.9
117.5°	1.1	2.2	80.2	135.3	151.4
120°	1.1	1.7	66.8	121.9	138.0
122.5°	1.1	1.7	52.9	107.4	124.7
125°	1.1	1.7	39.5	91.8	110.2
127.5°	1.1	1.1	25.6	75.7	92.4
130°	1.1	1.1	12.2	60.1	76.3
132.5°	1.1	1.1	0.6	44.0	59.6
135°	1.1	0.6	0.6	28.9	42.9
137.5°	1.1	0.6	0.0	13.9	27.8
140°	1.1	0.6	0.0	0.0	11.1
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)