

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: P289643

Luminaire Tested: **8SSRK-TB-60-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-TB-60-L950-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5382.9 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

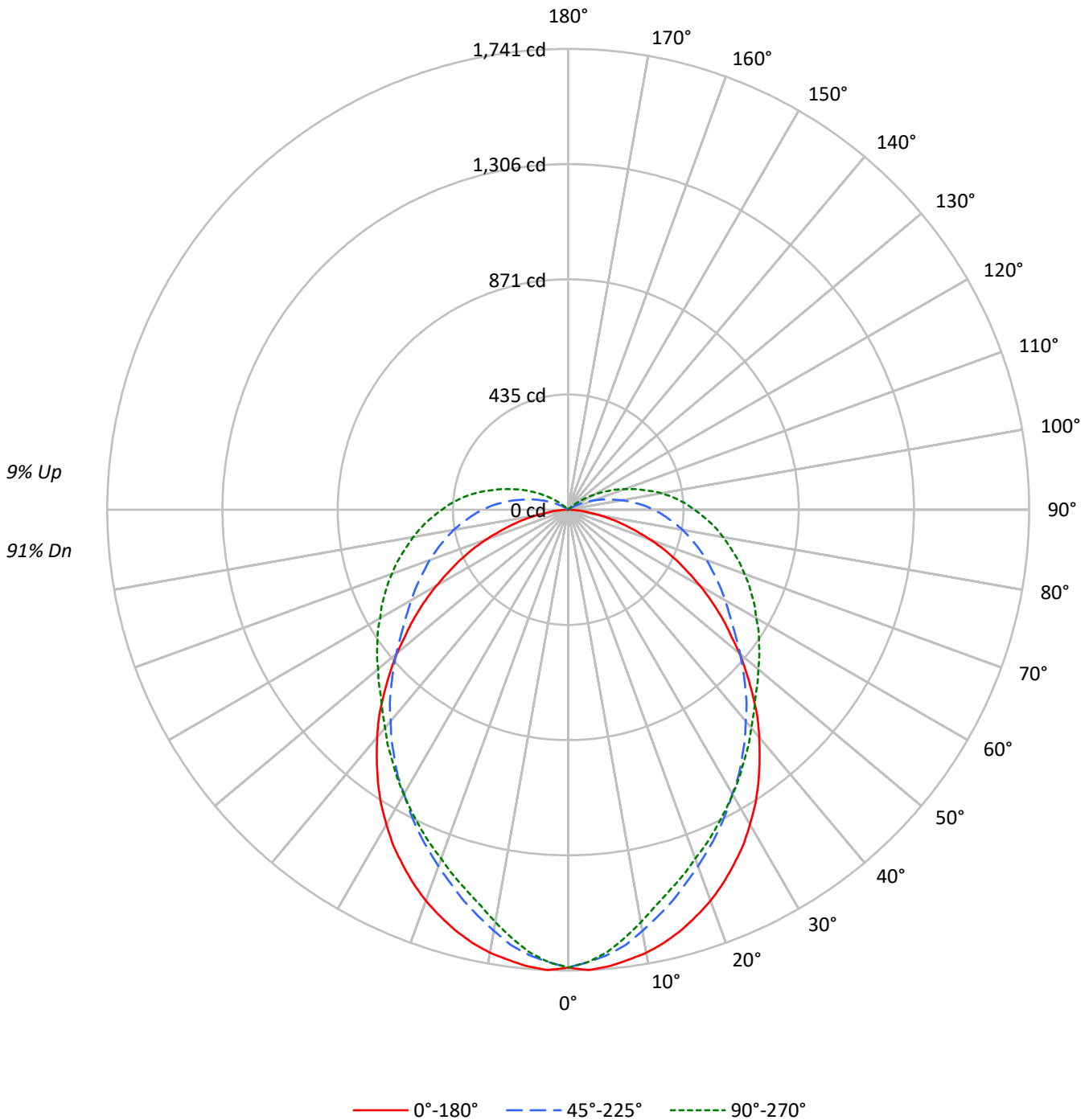
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	55858	55858	55858
5°	56057	43840	40292
10°	55532	35281	30432
15°	54698	28998	23999
20°	53607	24197	19630
25°	52196	20531	16463
30°	50583	17495	13996
35°	48688	15080	12007
40°	46496	12990	10412
45°	43992	11232	9131
50°	41397	9699	8163
55°	38719	8425	7380
60°	35829	7453	6679
65°	32877	6658	6107
70°	29434	5954	5577
75°	25225	5328	5099
80°	20390	4763	4662
85°	13855	4188	4255



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.1	3.0
10°-20°	436.5	8.1
20°-30°	631.5	11.7
30°-40°	734.6	13.6
40°-50°	747.7	13.9
50°-60°	695.7	12.9
60°-70°	605.8	11.3
70°-80°	493.2	9.2
80°-90°	373.6	6.9
90°-100°	259.1	4.8
100°-110°	152.2	2.8
110°-120°	71.4	1.3
120°-130°	20.3	0.4
130°-140°	1.1	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°	1228.1	22.8
0°-40°	1962.7	36.5
0°-60°	3406.2	63.3
0°-90°	4878.8	90.6
90°-120°	482.7	9.0
90°-150°	504.1	9.4
90°-180°	504.0	9.4
0°-180°	5382.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1730	1730	1730	1730	1730	
5°	1732	1719	1689	1689	1678	164
15°	1645	1602	1528	1501	1487	463
25°	1479	1414	1340	1329	1324	681
35°	1253	1188	1144	1155	1158	783
45°	983	945	945	983	1000	759
55°	708	706	757	847	880	632
65°	450	488	618	727	766	445
75°	218	319	496	610	651	233
85°	46	199	379	498	537	53
90°	0	144	321	439	477	3
95°	0	93	264	381	420	0
105°	0	22	150	253	289	0
115°	0	0	60	139	169	0
125°	0	0	3	46	68	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°	3	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°	1729.8	1729.8	1729.8	1729.8	1729.8
2.5°	1740.7	1732.5	1710.7	1718.9	1710.7
5°	1732.5	1718.9	1688.9	1688.9	1678.0
7.5°	1716.1	1699.8	1658.9	1645.3	1631.7
10°	1699.8	1675.3	1615.4	1599.0	1582.7
12.5°	1675.3	1639.9	1571.8	1547.3	1530.9
15°	1645.3	1601.7	1528.2	1500.9	1487.3
17.5°	1609.9	1560.9	1479.2	1457.4	1446.5
20°	1571.8	1514.6	1432.8	1413.8	1402.9
22.5°	1528.2	1462.8	1386.5	1372.9	1364.7
25°	1479.2	1413.8	1340.2	1329.3	1323.9
27.5°	1430.1	1359.3	1291.2	1285.7	1283.0
30°	1372.9	1304.8	1239.4	1242.2	1242.2
32.5°	1315.7	1247.6	1195.9	1201.3	1201.3
35°	1253.1	1187.7	1144.1	1155.0	1157.7
37.5°	1187.7	1130.5	1095.1	1111.4	1119.6
40°	1122.3	1070.5	1043.3	1067.8	1076.0
42.5°	1056.9	1007.9	997.0	1027.0	1037.9
45°	983.4	945.2	945.2	983.4	999.7
47.5°	912.6	888.0	896.2	945.2	969.8
50°	844.5	825.4	847.2	909.8	937.1
52.5°	770.9	765.5	800.9	877.1	909.8
55°	708.2	705.5	757.3	847.2	879.9
57.5°	640.1	648.3	719.1	817.2	852.6
60°	574.8	591.1	683.7	787.2	819.9
62.5°	509.4	542.1	651.0	757.3	795.4
65°	449.5	487.6	618.4	727.3	765.5
67.5°	389.5	438.6	585.7	700.1	738.2
70°	329.6	395.0	555.7	670.1	708.2
72.5°	269.7	356.8	525.7	640.1	681.0
75°	217.9	318.7	495.8	610.2	651.0
77.5°	168.9	288.7	465.8	585.7	621.1
80°	122.6	256.1	438.6	555.7	593.8
82.5°	79.0	228.8	408.6	525.7	566.6
85°	46.3	198.9	378.6	498.5	536.6
87.5°	19.1	168.9	351.4	468.5	506.7
90°	0.0	144.4	321.4	438.6	476.7
92.5°	0.0	119.9	294.2	411.3	449.5
95°	0.0	92.6	264.2	381.4	419.5
97.5°	0.0	70.8	234.3	351.4	389.5
100°	0.0	54.5	204.3	316.0	356.8
102.5°	0.0	38.1	174.3	283.3	324.2
105°	0.0	21.8	149.8	253.3	288.7
107.5°	0.0	10.9	125.3	223.4	258.8
110°	0.0	2.7	100.8	193.4	226.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	79.0	166.2	198.9
115°	0.0	0.0	59.9	138.9	168.9
117.5°	0.0	0.0	40.9	114.4	141.6
120°	0.0	0.0	24.5	89.9	114.4
122.5°	0.0	0.0	10.9	68.1	89.9
125°	0.0	0.0	2.7	46.3	68.1
127.5°	0.0	0.0	0.0	27.2	46.3
130°	0.0	0.0	0.0	13.6	27.2
132.5°	0.0	0.0	0.0	2.7	10.9
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°	2.7	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)