

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: P289804

Luminaire Tested: **8SSRK-TS-10-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289804  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-TS-10-L930-CD1-U  
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7426.9 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

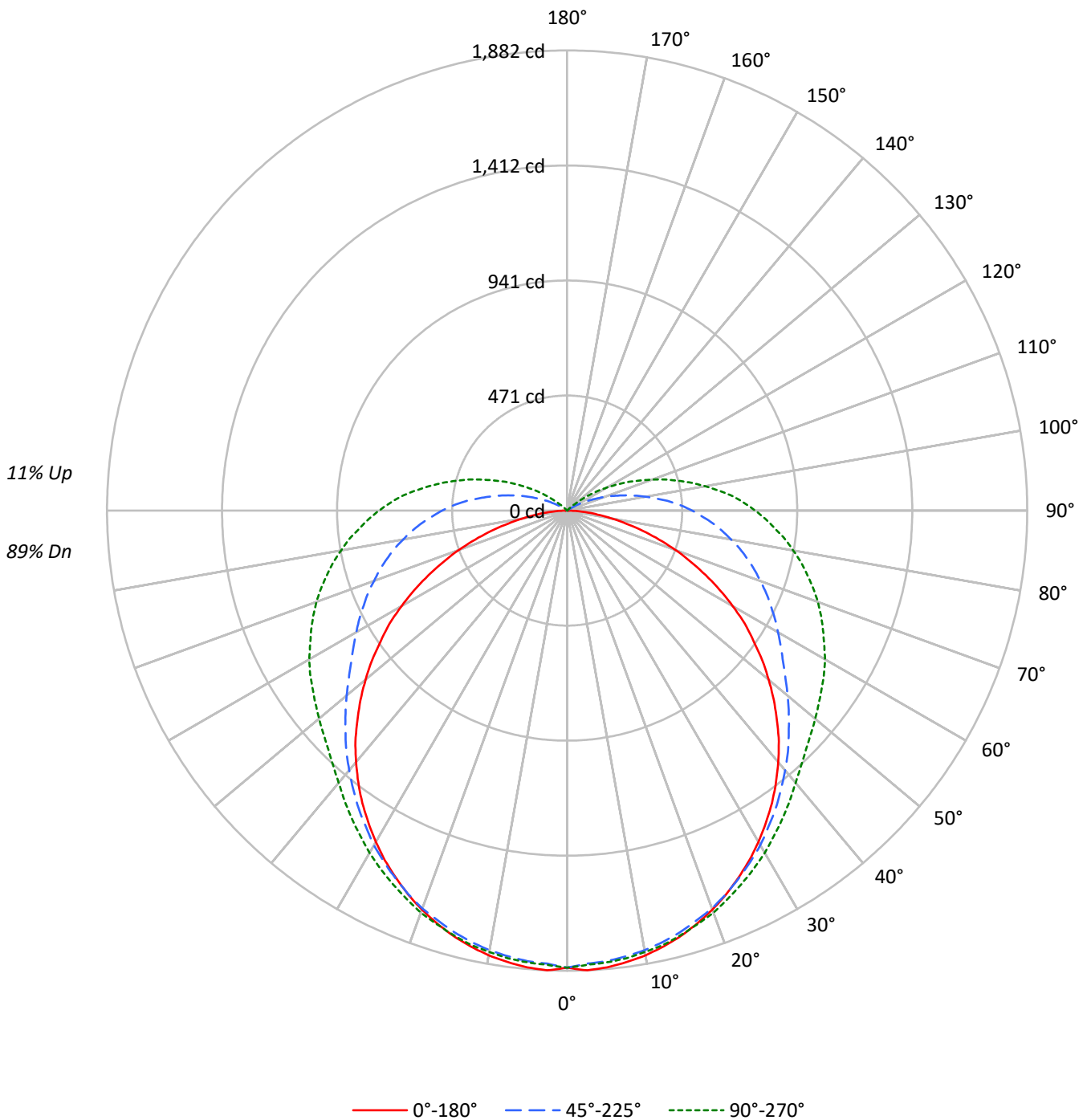
Input Watts (W): 71.9151  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	103	97	91	87	99	94	89	84	87	83	79	81	78	75	76	73	71	68				
2	93	83	75	68	89	80	73	67	75	68	63	70	65	60	65	61	57	54				
3	84	72	63	56	80	69	61	54	65	58	52	61	55	50	57	52	47	45				
4	76	63	54	46	73	61	52	45	57	50	44	53	47	42	50	45	40	37				
5	70	56	47	39	67	54	45	39	51	43	37	48	41	36	45	39	34	32				
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	41	35	30	28				
7	60	46	36	30	57	44	36	29	42	34	28	39	33	28	37	31	27	24				
8	56	41	33	27	53	40	32	26	38	31	25	36	29	25	34	28	24	22				
9	52	38	29	24	50	37	29	23	35	28	23	33	27	22	31	26	21	19				
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17				

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

	0°	45°	90°
0°	60366	60366	60366
5°	60674	48022	44537
10°	60344	39874	35255
15°	59858	33870	29006
20°	59224	29245	24488
25°	58470	25429	20967
30°	57657	22309	18211
35°	56734	19605	15939
40°	55635	17263	14064
45°	54304	15231	12620
50°	52755	13475	11538
55°	50889	11995	10661
60°	48776	10855	9920
65°	45742	9885	9212
70°	42169	9007	8590
75°	37149	8200	7967
80°	30801	7402	7369
85°	22623	6617	6774



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.9	2.4
10°-20°	506.7	6.8
20°-30°	769.4	10.4
30°-40°	935.3	12.6
40°-50°	998.2	13.4
50°-60°	979.0	13.2
60°-70°	894.4	12.0
70°-80°	759.1	10.2
80°-90°	590.7	8.0
90°-100°	416.5	5.6
100°-110°	247.6	3.3
110°-120°	117.2	1.6
120°-130°	34.0	0.5
130°-140°	2.0	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°	1453.0	19.6
0°-40°	2388.3	32.2
0°-60°	4365.5	58.8
0°-90°	6609.7	89.0
90°-120°	781.2	10.5
90°-150°	817.2	11.0
90°-180°	817.0	11.0
0°-180°	7426.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1869	1869	1869	1869	1869	
5°	1875	1868	1850	1861	1855	178
15°	1800	1797	1785	1800	1798	508
25°	1657	1658	1660	1686	1686	764
35°	1460	1468	1487	1524	1537	913
45°	1214	1234	1282	1350	1382	936
55°	931	971	1078	1219	1271	834
65°	625	706	918	1094	1155	620
75°	321	487	763	952	1017	340
85°	76	310	598	788	854	85
90°	6	230	511	703	769	7
95°	6	154	422	609	680	5
105°	5	42	240	408	470	5
115°	4	4	98	224	277	4
125°	3	2	5	75	110	3
135°	0	0	0	0	0	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



TEST NUMBER: P289804

CATALOG NUMBER: 8SSRK-TS-10-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1869.4	1869.4	1869.4	1869.4	1869.4
2.5°	1882.0	1875.2	1854.8	1865.5	1859.7
5°	1875.2	1868.4	1850.0	1860.6	1854.8
7.5°	1862.6	1857.7	1839.3	1851.0	1847.1
10°	1847.1	1842.2	1825.7	1839.3	1833.5
12.5°	1825.7	1820.9	1807.3	1820.9	1819.0
15°	1800.5	1796.7	1785.0	1800.5	1797.6
17.5°	1770.5	1767.6	1757.9	1777.3	1773.4
20°	1736.5	1734.6	1731.7	1749.1	1750.1
22.5°	1699.7	1699.7	1697.8	1717.1	1718.1
25°	1657.0	1658.0	1659.9	1686.1	1686.1
27.5°	1613.4	1616.3	1621.2	1646.4	1652.2
30°	1564.9	1569.8	1580.4	1607.6	1616.3
32.5°	1513.5	1521.3	1532.9	1566.9	1575.6
35°	1460.2	1468.0	1487.4	1524.2	1536.8
37.5°	1403.0	1411.7	1436.9	1478.6	1495.1
40°	1342.9	1352.6	1386.5	1438.9	1453.4
42.5°	1281.8	1295.4	1337.1	1393.3	1415.6
45°	1213.9	1234.3	1281.8	1349.7	1381.7
47.5°	1146.1	1170.3	1229.4	1312.8	1351.6
50°	1076.2	1103.4	1177.1	1279.9	1324.5
52.5°	1006.4	1036.5	1125.7	1248.8	1297.3
55°	930.8	970.6	1078.2	1218.8	1271.1
57.5°	861.0	903.7	1035.5	1188.7	1245.9
60°	782.5	836.8	995.8	1157.7	1217.8
62.5°	704.9	769.9	958.0	1125.7	1184.8
65°	625.4	705.9	918.2	1093.7	1154.8
67.5°	546.8	640.9	881.4	1060.7	1123.8
70°	472.2	584.7	840.6	1026.8	1090.8
72.5°	393.7	535.2	802.8	990.9	1054.9
75°	320.9	486.7	763.1	952.1	1017.1
77.5°	247.2	441.2	724.3	913.4	980.3
80°	185.2	398.5	681.6	872.6	938.6
82.5°	126.0	355.8	639.9	830.9	899.8
85°	75.6	310.3	598.2	788.3	854.2
87.5°	33.9	270.5	552.7	744.6	813.5
90°	5.8	229.8	511.0	703.0	768.9
92.5°	6.8	192.9	468.3	658.4	724.3
95°	5.8	154.2	421.8	608.9	679.7
97.5°	5.8	121.2	372.3	560.4	625.4
100°	4.8	90.2	324.8	509.0	573.0
102.5°	4.8	64.0	282.2	458.6	522.6
105°	4.8	41.7	240.5	408.2	470.3
107.5°	4.8	23.3	199.7	359.7	422.7
110°	4.8	8.7	162.9	316.1	368.4



TEST NUMBER: P289804

CATALOG NUMBER: 8SSRK-TS-10-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.9	3.9	127.0	267.6	321.9
115°	3.9	3.9	97.9	224.0	277.3
117.5°	3.9	2.9	66.9	183.3	231.7
120°	3.9	2.9	41.7	146.4	188.1
122.5°	2.9	1.9	20.4	108.6	150.3
125°	2.9	1.9	4.8	74.7	109.6
127.5°	2.9	1.0	0.0	44.6	75.6
130°	1.9	1.0	0.0	21.3	44.6
132.5°	1.9	1.0	0.0	3.9	19.4
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°	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)