

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: P289805

Luminaire Tested: **8SSRK-TS-10-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289805
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-L935-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7883.4 lumens
Efficiency: N/A
Efficacy: 109.6 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

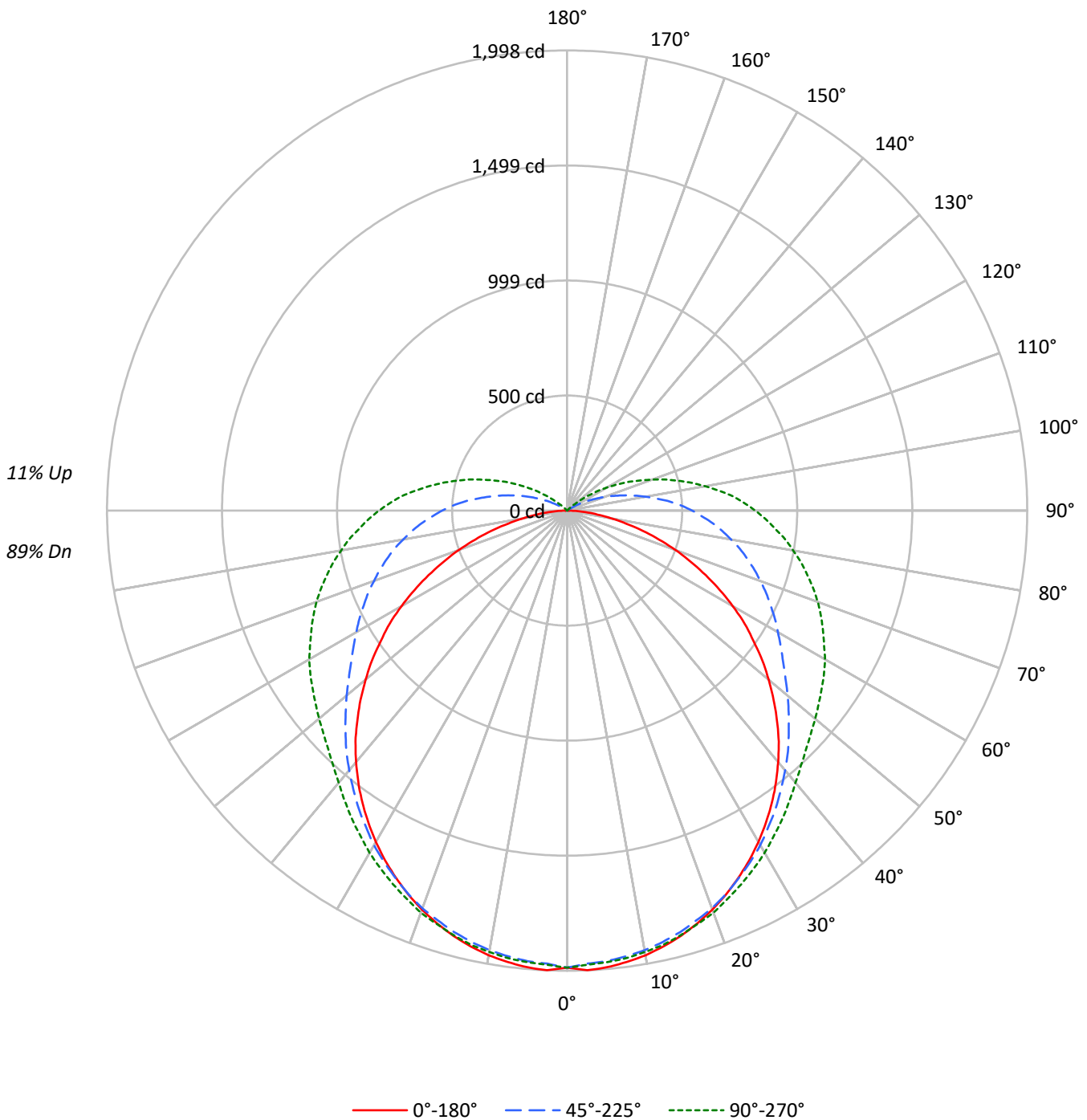
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	64076	64076	64076
5°	64404	50974	47277
10°	64052	42327	37422
15°	63538	35954	30789
20°	62866	31043	25994
25°	62066	26993	22257
30°	61201	23681	19331
35°	60223	20810	16919
40°	59053	18325	14929
45°	57646	16168	13395
50°	56000	14304	12247
55°	54016	12733	11317
60°	51774	11522	10530
65°	48551	10494	9779
70°	44758	9561	9118
75°	39441	8704	8456
80°	32696	7857	7822
85°	24029	7024	7190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.7	2.4
10°-20°	537.9	6.8
20°-30°	816.8	10.4
30°-40°	992.8	12.6
40°-50°	1059.6	13.4
50°-60°	1039.2	13.2
60°-70°	949.4	12.0
70°-80°	805.7	10.2
80°-90°	627.0	8.0
90°-100°	442.1	5.6
100°-110°	262.8	3.3
110°-120°	124.4	1.6
120°-130°	36.0	0.5
130°-140°	2.1	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°	1542.4	19.6
0°-40°	2535.2	32.2
0°-60°	4633.9	58.8
0°-90°	7016.1	89.0
90°-120°	829.3	10.5
90°-150°	867.4	11.0
90°-180°	867.0	11.0
0°-180°	7883.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1984	1984	1984	1984	1984	
5°	1990	1983	1964	1975	1969	189
15°	1911	1907	1895	1911	1908	539
25°	1759	1760	1762	1790	1790	811
35°	1550	1558	1579	1618	1631	969
45°	1289	1310	1361	1433	1467	994
55°	988	1030	1144	1294	1349	885
65°	664	749	975	1161	1226	658
75°	341	517	810	1011	1080	361
85°	80	329	635	837	907	90
90°	6	244	542	746	816	8
95°	6	164	448	646	722	5
105°	5	44	255	433	499	5
115°	4	4	104	238	294	4
125°	3	2	5	79	116	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1984.3	1984.3	1984.3	1984.3	1984.3
2.5°	1997.7	1990.5	1968.9	1980.2	1974.0
5°	1990.5	1983.3	1963.7	1975.0	1968.9
7.5°	1977.1	1971.9	1952.4	1964.7	1960.6
10°	1960.6	1955.5	1938.0	1952.4	1946.2
12.5°	1938.0	1932.8	1918.4	1932.8	1930.8
15°	1911.2	1907.1	1894.8	1911.2	1908.1
17.5°	1879.3	1876.2	1865.9	1886.5	1882.4
20°	1843.3	1841.2	1838.2	1856.7	1857.7
22.5°	1804.2	1804.2	1802.1	1822.7	1823.7
25°	1758.9	1759.9	1762.0	1789.8	1789.8
27.5°	1712.6	1715.7	1720.8	1747.6	1753.8
30°	1661.1	1666.3	1677.6	1706.4	1715.7
32.5°	1606.6	1614.8	1627.2	1663.2	1672.5
35°	1550.0	1558.2	1578.8	1617.9	1631.3
37.5°	1489.3	1498.5	1525.3	1569.5	1587.0
40°	1425.4	1435.7	1471.8	1527.3	1542.8
42.5°	1360.6	1375.0	1419.3	1479.0	1502.6
45°	1288.6	1310.2	1360.6	1432.6	1466.6
47.5°	1216.5	1242.2	1305.0	1393.5	1434.7
50°	1142.4	1171.2	1249.5	1358.5	1405.9
52.5°	1068.3	1100.2	1194.9	1325.6	1377.1
55°	988.0	1030.2	1144.5	1293.7	1349.3
57.5°	913.9	959.2	1099.2	1261.8	1322.5
60°	830.6	888.2	1057.0	1228.9	1292.7
62.5°	748.2	817.2	1016.9	1194.9	1257.7
65°	663.8	749.3	974.7	1160.9	1225.8
67.5°	580.5	680.3	935.5	1125.9	1192.8
70°	501.2	620.6	892.3	1089.9	1157.9
72.5°	417.9	568.1	852.2	1051.8	1119.8
75°	340.7	516.7	810.0	1010.7	1079.6
77.5°	262.4	468.3	768.8	969.5	1040.5
80°	196.6	423.0	723.5	926.3	996.3
82.5°	133.8	377.7	679.3	882.0	955.1
85°	80.3	329.3	635.0	836.7	906.7
87.5°	36.0	287.1	586.6	790.4	863.5
90°	6.2	243.9	542.4	746.2	816.2
92.5°	7.2	204.8	497.1	698.8	768.8
95°	6.2	163.6	447.7	646.3	721.5
97.5°	6.2	128.7	395.2	594.9	663.8
100°	5.1	95.7	344.8	540.3	608.3
102.5°	5.1	67.9	299.5	486.8	554.7
105°	5.1	44.3	255.2	433.3	499.2
107.5°	5.1	24.7	212.0	381.8	448.7
110°	5.1	9.3	172.9	335.5	391.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.1	4.1	134.8	284.1	341.7
115°	4.1	4.1	103.9	237.7	294.4
117.5°	4.1	3.1	71.0	194.5	246.0
120°	4.1	3.1	44.3	155.4	199.7
122.5°	3.1	2.1	21.6	115.3	159.5
125°	3.1	2.1	5.1	79.2	116.3
127.5°	3.1	1.0	0.0	47.3	80.3
130°	2.1	1.0	0.0	22.6	47.3
132.5°	2.1	1.0	0.0	4.1	20.6
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)