

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-10-L930-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-10-L930-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7798.2 lumens
Efficiency: N/A
Efficacy: 108.4 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

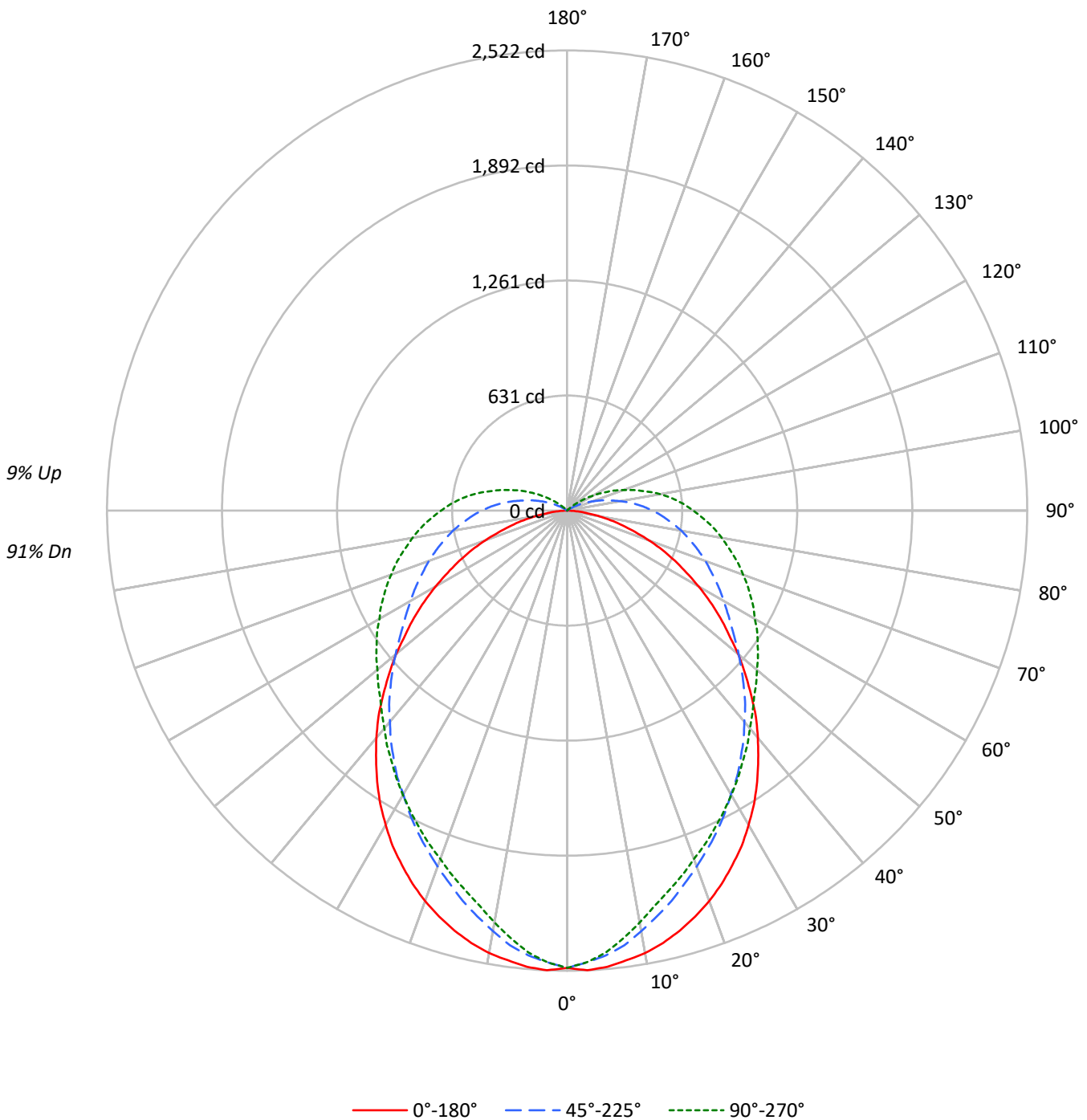
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289643

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

Luminous Intensity Polar Plot





TEST NUMBER: P289643

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	80919	80919	80919
5°	81207	63511	58370
10°	80449	51109	44086
15°	79243	42009	34768
20°	77658	35054	28437
25°	75613	29744	23850
30°	73279	25347	20275
35°	70531	21846	17395
40°	67360	18818	15083
45°	63730	16272	13228
50°	59966	14050	11825
55°	56093	12206	10690
60°	51905	10798	9676
65°	47622	9644	8846
70°	42642	8625	8079
75°	36547	7718	7388
80°	29537	6900	6755
85°	20079	6067	6165



TEST NUMBER: P289643

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.0	3.0
10°-20°	632.3	8.1
20°-30°	914.9	11.7
30°-40°	1064.2	13.6
40°-50°	1083.2	13.9
50°-60°	1007.9	12.9
60°-70°	877.7	11.3
70°-80°	714.5	9.2
80°-90°	541.2	6.9
90°-100°	375.3	4.8
100°-110°	220.6	2.8
110°-120°	103.4	1.3
120°-130°	29.4	0.4
130°-140°	1.6	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°	1779.2	22.8
0°-40°	2843.4	36.5
0°-60°	4934.5	63.3
0°-90°	7067.9	90.6
90°-120°	699.3	9.0
90°-150°	730.4	9.4
90°-180°	730.0	9.4
0°-180°	7798.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2510	2490	2447	2447	2431	238
15°	2384	2320	2214	2174	2155	671
25°	2143	2048	1942	1926	1918	987
35°	1815	1721	1657	1673	1677	1134
45°	1425	1369	1369	1425	1448	1100
55°	1026	1022	1097	1227	1275	916
65°	651	706	896	1054	1109	645
75°	316	462	718	884	943	337
85°	67	288	548	722	777	77
90°	0	209	466	635	691	4
95°	0	134	383	552	608	0
105°	0	32	217	367	418	0
115°	0	0	87	201	245	0
125°	0	0	4	67	99	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°	4	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P289643

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2505.9	2505.9	2505.9	2505.9	2505.9
2.5°	2521.7	2509.8	2478.3	2490.1	2478.3
5°	2509.8	2490.1	2446.7	2446.7	2430.9
7.5°	2486.2	2462.5	2403.3	2383.6	2363.8
10°	2462.5	2427.0	2340.1	2316.5	2292.8
12.5°	2427.0	2375.7	2277.0	2241.5	2217.8
15°	2383.6	2320.4	2213.9	2174.4	2154.7
17.5°	2332.3	2261.2	2142.8	2111.3	2095.5
20°	2277.0	2194.1	2075.7	2048.1	2032.3
22.5°	2213.9	2119.2	2008.7	1988.9	1977.1
25°	2142.8	2048.1	1941.6	1925.8	1917.9
27.5°	2071.8	1969.2	1870.5	1862.6	1858.7
30°	1988.9	1890.3	1795.6	1799.5	1799.5
32.5°	1906.1	1807.4	1732.4	1740.3	1740.3
35°	1815.3	1720.6	1657.4	1673.2	1677.2
37.5°	1720.6	1637.7	1586.4	1610.1	1621.9
40°	1625.9	1550.9	1511.4	1546.9	1558.8
42.5°	1531.2	1460.1	1444.3	1487.7	1503.5
45°	1424.6	1369.4	1369.4	1424.6	1448.3
47.5°	1322.0	1286.5	1298.3	1369.4	1404.9
50°	1223.3	1195.7	1227.3	1318.1	1357.5
52.5°	1116.8	1108.9	1160.2	1270.7	1318.1
55°	1026.0	1022.1	1097.1	1227.3	1274.6
57.5°	927.4	939.2	1041.8	1183.9	1235.2
60°	832.7	856.3	990.5	1140.5	1187.8
62.5°	738.0	785.3	943.2	1097.1	1152.3
65°	651.1	706.4	895.8	1053.7	1108.9
67.5°	564.3	635.4	848.5	1014.2	1069.4
70°	477.5	572.2	805.0	970.8	1026.0
72.5°	390.7	517.0	761.6	927.4	986.6
75°	315.7	461.7	718.2	884.0	943.2
77.5°	244.7	418.3	674.8	848.5	899.8
80°	177.6	371.0	635.4	805.0	860.3
82.5°	114.4	331.5	591.9	761.6	820.8
85°	67.1	288.1	548.5	722.2	777.4
87.5°	27.6	244.7	509.1	678.8	734.0
90°	0.0	209.2	465.7	635.4	690.6
92.5°	0.0	173.6	426.2	595.9	651.1
95°	0.0	134.2	382.8	552.5	607.7
97.5°	0.0	102.6	339.4	509.1	564.3
100°	0.0	78.9	296.0	457.8	517.0
102.5°	0.0	55.2	252.6	410.4	469.6
105°	0.0	31.6	217.0	367.0	418.3
107.5°	0.0	15.8	181.5	323.6	374.9
110°	0.0	3.9	146.0	280.2	327.5



TEST NUMBER: P289643

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	114.4	240.7	288.1
115°	0.0	0.0	86.8	201.3	244.7
117.5°	0.0	0.0	59.2	165.7	205.2
120°	0.0	0.0	35.5	130.2	165.7
122.5°	0.0	0.0	15.8	98.7	130.2
125°	0.0	0.0	3.9	67.1	98.7
127.5°	0.0	0.0	0.0	39.5	67.1
130°	0.0	0.0	0.0	19.7	39.5
132.5°	0.0	0.0	0.0	3.9	15.8
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°	3.9	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)