

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-L935-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-L935-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8277.6 lumens
Efficiency: N/A
Efficacy: 115.1 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

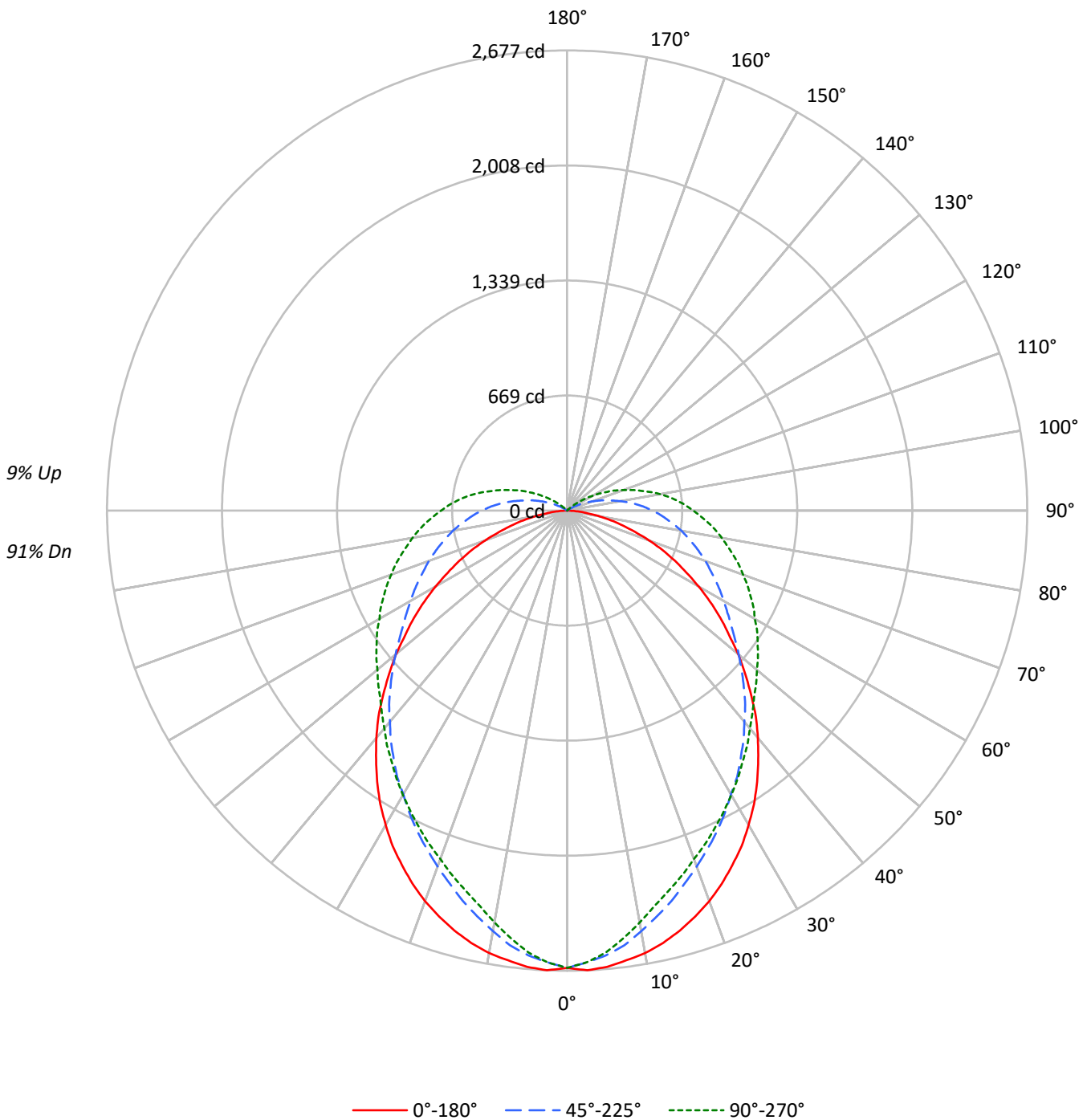
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289643

CATALOG NUMBER: 8SSRK-TB-10-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289643

CATALOG NUMBER: 8SSRK-TB-10-L935-CD1-U

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°	85892	85892	85892
5°	86199	67415	61960
10°	85395	54252	46795
15°	84113	44591	36905
20°	82432	37211	30186
25°	80264	31572	25316
30°	77785	26904	21521
35°	74867	23189	18465
40°	71499	19974	16010
45°	67648	17272	14041
50°	63657	14913	12553
55°	59543	12955	11348
60°	55097	11461	10271
65°	50555	10237	9390
70°	45267	9156	8576
75°	38792	8192	7842
80°	31349	7324	7170
85°	21306	6441	6544



TEST NUMBER: P289643

CATALOG NUMBER: 8SSRK-TB-10-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.3	3.0
10°-20°	671.2	8.1
20°-30°	971.1	11.7
30°-40°	1129.6	13.6
40°-50°	1149.8	13.9
50°-60°	1069.9	12.9
60°-70°	931.6	11.3
70°-80°	758.4	9.2
80°-90°	574.5	6.9
90°-100°	398.4	4.8
100°-110°	234.1	2.8
110°-120°	109.8	1.3
120°-130°	31.2	0.4
130°-140°	1.7	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°	1888.5	22.8
0°-40°	3018.1	36.5
0°-60°	5237.8	63.3
0°-90°	7502.3	90.6
90°-120°	742.3	9.0
90°-150°	775.3	9.4
90°-180°	775.0	9.4
0°-180°	8277.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2660	2660	2660	2660	2660	
5°	2664	2643	2597	2597	2580	252
15°	2530	2463	2350	2308	2287	713
25°	2275	2174	2061	2044	2036	1047
35°	1927	1826	1759	1776	1780	1204
45°	1512	1454	1454	1512	1537	1167
55°	1089	1085	1164	1303	1353	972
65°	691	750	951	1118	1177	685
75°	335	490	762	938	1001	358
85°	71	306	582	767	825	82
90°	0	222	494	674	733	4
95°	0	142	406	586	645	0
105°	0	34	230	390	444	0
115°	0	0	92	214	260	0
125°	0	0	4	71	105	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-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2659.9	2659.9	2659.9	2659.9	2659.9
2.5°	2676.7	2664.1	2630.6	2643.2	2630.6
5°	2664.1	2643.2	2597.1	2597.1	2580.4
7.5°	2639.0	2613.9	2551.0	2530.1	2509.1
10°	2613.9	2576.2	2484.0	2458.9	2433.7
12.5°	2576.2	2521.7	2417.0	2379.3	2354.2
15°	2530.1	2463.1	2350.0	2308.1	2287.1
17.5°	2475.6	2400.2	2274.6	2241.1	2224.3
20°	2417.0	2329.0	2203.4	2174.0	2157.3
22.5°	2350.0	2249.4	2132.1	2111.2	2098.6
25°	2274.6	2174.0	2060.9	2044.2	2035.8
27.5°	2199.2	2090.3	1985.5	1977.2	1973.0
30°	2111.2	2006.5	1905.9	1910.1	1910.1
32.5°	2023.2	1918.5	1838.9	1847.3	1847.3
35°	1926.9	1826.4	1759.3	1776.1	1780.3
37.5°	1826.4	1738.4	1683.9	1709.1	1721.6
40°	1725.8	1646.2	1604.3	1642.0	1654.6
42.5°	1625.3	1549.9	1533.1	1579.2	1596.0
45°	1512.2	1453.5	1453.5	1512.2	1537.3
47.5°	1403.3	1365.6	1378.1	1453.5	1491.2
50°	1298.6	1269.2	1302.7	1399.1	1441.0
52.5°	1185.5	1177.1	1231.5	1348.8	1399.1
55°	1089.1	1084.9	1164.5	1302.7	1353.0
57.5°	984.4	997.0	1105.9	1256.7	1311.1
60°	883.9	909.0	1051.4	1210.6	1260.9
62.5°	783.3	833.6	1001.1	1164.5	1223.2
65°	691.2	749.8	950.9	1118.4	1177.1
67.5°	599.0	674.4	900.6	1076.5	1135.2
70°	506.9	607.4	854.5	1030.5	1089.1
72.5°	414.7	548.7	808.5	984.4	1047.2
75°	335.1	490.1	762.4	938.3	1001.1
77.5°	259.7	444.0	716.3	900.6	955.1
80°	188.5	393.8	674.4	854.5	913.2
82.5°	121.5	351.9	628.3	808.5	871.3
85°	71.2	305.8	582.3	766.6	825.2
87.5°	29.3	259.7	540.4	720.5	779.1
90°	0.0	222.0	494.3	674.4	733.1
92.5°	0.0	184.3	452.4	632.5	691.2
95°	0.0	142.4	406.3	586.4	645.1
97.5°	0.0	108.9	360.2	540.4	599.0
100°	0.0	83.8	314.2	485.9	548.7
102.5°	0.0	58.6	268.1	435.6	498.5
105°	0.0	33.5	230.4	389.6	444.0
107.5°	0.0	16.8	192.7	343.5	397.9
110°	0.0	4.2	155.0	297.4	347.7



TEST NUMBER: P289643

CATALOG NUMBER: 8SSRK-TB-10-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	121.5	255.5	305.8
115°	0.0	0.0	92.2	213.6	259.7
117.5°	0.0	0.0	62.8	175.9	217.8
120°	0.0	0.0	37.7	138.2	175.9
122.5°	0.0	0.0	16.8	104.7	138.2
125°	0.0	0.0	4.2	71.2	104.7
127.5°	0.0	0.0	0.0	41.9	71.2
130°	0.0	0.0	0.0	20.9	41.9
132.5°	0.0	0.0	0.0	4.2	16.8
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°	4.2	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)