

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: **4SSRK-TB-60-L850-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: 4SSRK-TB-60-L850-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 80 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6024.0 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

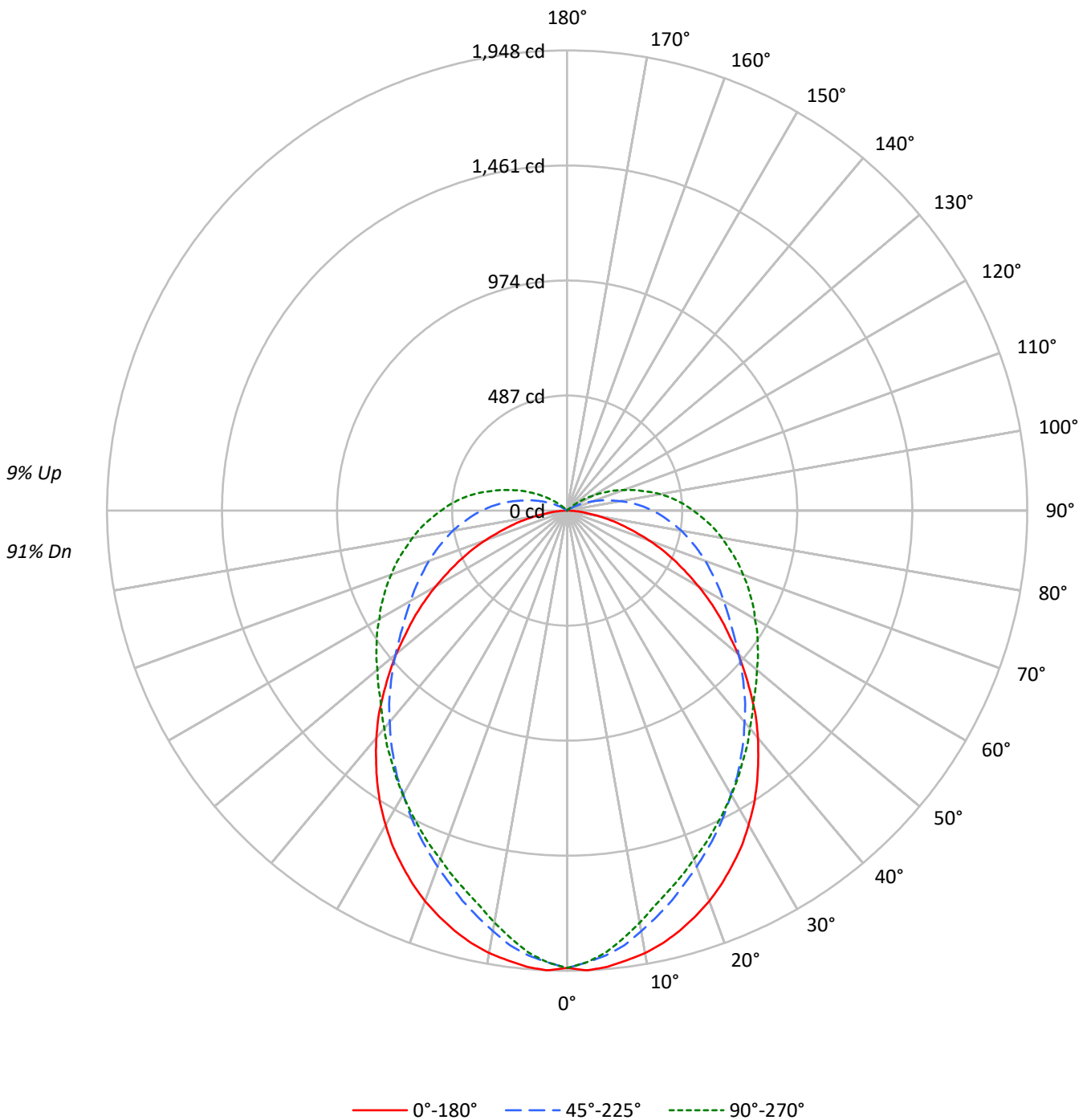
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-60-L850-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-60-L850-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°	125020	125020	125020
5°	125235	98020	90179
10°	123835	78826	68110
15°	121752	64757	53714
20°	119086	54017	43934
25°	115708	45817	36846
30°	111884	39032	31325
35°	107425	33634	26875
40°	102313	28969	23302
45°	96493	25043	20437
50°	90456	21621	18271
55°	84232	18779	16516
60°	77487	16611	14950
65°	70562	14834	13667
70°	62503	13266	12483
75°	52670	11867	11414
80°	41274	10608	10436
85°	26001	9326	9524



TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-60-L850-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.2	3.0
10°-20°	488.5	8.1
20°-30°	706.7	11.7
30°-40°	822.1	13.6
40°-50°	836.8	13.9
50°-60°	778.6	12.9
60°-70°	678.0	11.3
70°-80°	551.9	9.2
80°-90°	418.1	6.9
90°-100°	289.9	4.8
100°-110°	170.4	2.8
110°-120°	79.9	1.3
120°-130°	22.7	0.4
130°-140°	1.2	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°	1374.4	22.8
0°-40°	2196.4	36.5
0°-60°	3811.8	63.3
0°-90°	5459.8	90.6
90°-120°	540.2	9.0
90°-150°	564.2	9.4
90°-180°	564.0	9.4
0°-180°	6024.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1939	1924	1890	1890	1878	184
15°	1841	1792	1710	1680	1664	519
25°	1655	1582	1500	1488	1482	762
35°	1402	1329	1280	1292	1296	876
45°	1100	1058	1058	1100	1119	850
55°	793	790	848	948	985	708
65°	503	546	692	814	857	498
75°	244	357	555	683	729	260
85°	52	222	424	558	600	60
90°	0	162	360	491	534	3
95°	0	104	296	427	470	0
105°	0	24	168	284	323	0
115°	0	0	67	156	189	0
125°	0	0	3	52	76	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



TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-60-L850-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1935.8	1935.8	1935.8	1935.8	1935.8
2.5°	1948.0	1938.8	1914.4	1923.6	1914.4
5°	1938.8	1923.6	1890.0	1890.0	1877.8
7.5°	1920.5	1902.2	1856.5	1841.3	1826.0
10°	1902.2	1874.8	1807.7	1789.4	1771.1
12.5°	1874.8	1835.2	1759.0	1731.5	1713.2
15°	1841.3	1792.5	1710.2	1679.7	1664.4
17.5°	1801.6	1746.8	1655.3	1630.9	1618.7
20°	1759.0	1694.9	1603.5	1582.1	1569.9
22.5°	1710.2	1637.0	1551.7	1536.4	1527.3
25°	1655.3	1582.1	1499.8	1487.6	1481.5
27.5°	1600.4	1521.2	1445.0	1438.9	1435.8
30°	1536.4	1460.2	1387.0	1390.1	1390.1
32.5°	1472.4	1396.2	1338.3	1344.4	1344.4
35°	1402.3	1329.1	1280.3	1292.5	1295.6
37.5°	1329.1	1265.1	1225.5	1243.8	1252.9
40°	1256.0	1198.0	1167.6	1195.0	1204.1
42.5°	1182.8	1127.9	1115.7	1149.3	1161.5
45°	1100.5	1057.8	1057.8	1100.5	1118.8
47.5°	1021.2	993.8	1002.9	1057.8	1085.2
50°	945.0	923.7	948.1	1018.2	1048.7
52.5°	862.7	856.6	896.2	981.6	1018.2
55°	792.6	789.5	847.5	948.1	984.6
57.5°	716.4	725.5	804.8	914.5	954.2
60°	643.2	661.5	765.2	881.0	917.6
62.5°	570.1	606.6	728.6	847.5	890.1
65°	503.0	545.7	692.0	813.9	856.6
67.5°	435.9	490.8	655.4	783.4	826.1
70°	368.9	442.0	621.9	749.9	792.6
72.5°	301.8	399.3	588.3	716.4	762.1
75°	243.9	356.7	554.8	682.9	728.6
77.5°	189.0	323.1	521.3	655.4	695.0
80°	137.2	286.6	490.8	621.9	664.6
82.5°	88.4	256.1	457.3	588.3	634.1
85°	51.8	222.5	423.7	557.9	600.5
87.5°	21.3	189.0	393.2	524.3	567.0
90°	0.0	161.6	359.7	490.8	533.5
92.5°	0.0	134.1	329.2	460.3	503.0
95°	0.0	103.6	295.7	426.8	469.5
97.5°	0.0	79.3	262.2	393.2	435.9
100°	0.0	61.0	228.6	353.6	399.3
102.5°	0.0	42.7	195.1	317.0	362.8
105°	0.0	24.4	167.7	283.5	323.1
107.5°	0.0	12.2	140.2	250.0	289.6
110°	0.0	3.0	112.8	216.4	253.0



TEST NUMBER: P289643

CATALOG NUMBER: 4SSRK-TB-60-L850-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	88.4	186.0	222.5
115°	0.0	0.0	67.1	155.5	189.0
117.5°	0.0	0.0	45.7	128.0	158.5
120°	0.0	0.0	27.4	100.6	128.0
122.5°	0.0	0.0	12.2	76.2	100.6
125°	0.0	0.0	3.0	51.8	76.2
127.5°	0.0	0.0	0.0	30.5	51.8
130°	0.0	0.0	0.0	15.2	30.5
132.5°	0.0	0.0	0.0	3.0	12.2
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°	3.0	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)