

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-60-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-60-L935-CD1-U  
Description: 6000 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: 4934.8 lumens  
Efficiency: N/A  
Efficacy: 119.2 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

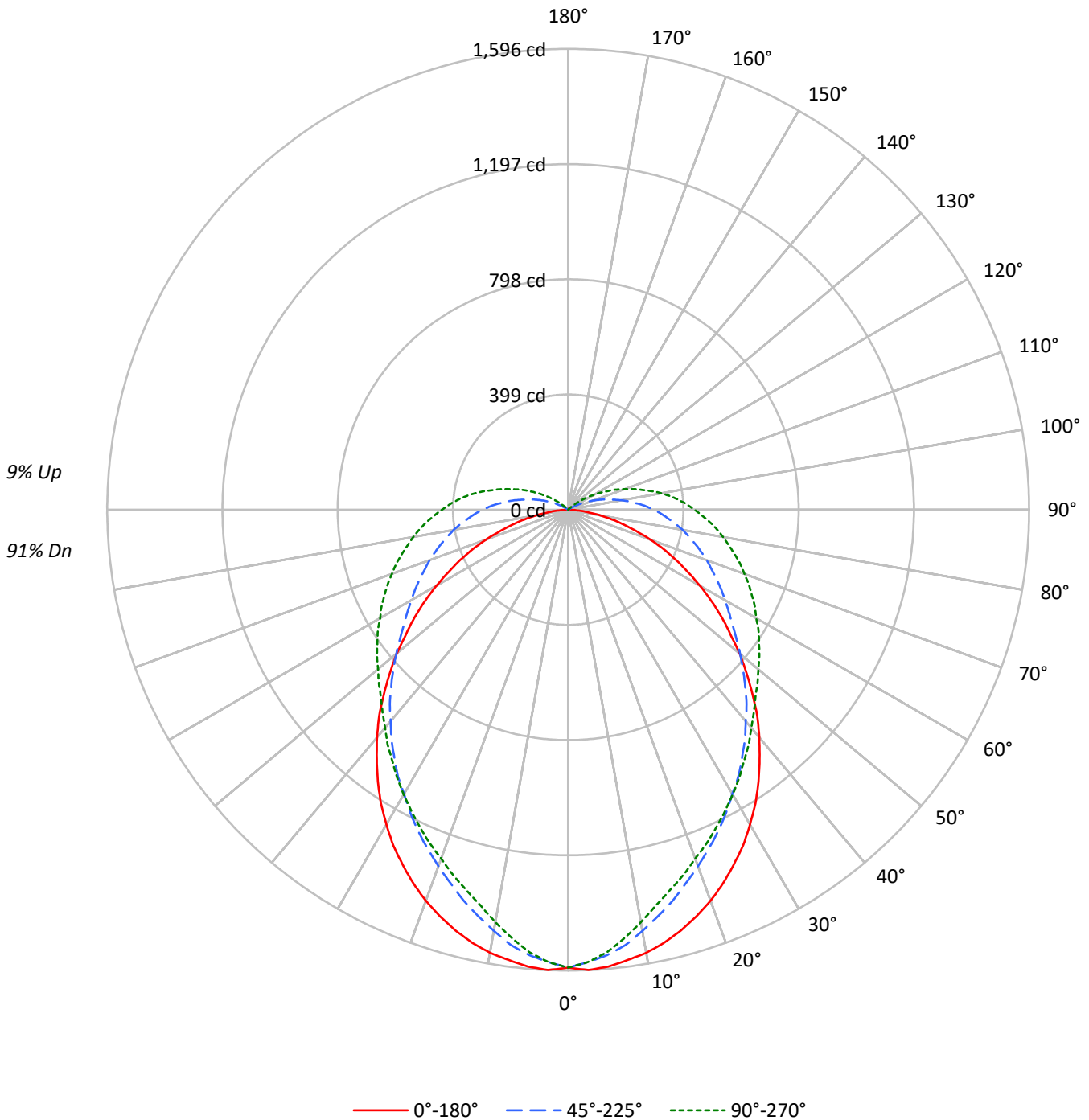
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	93	93	93	91		
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	74	74	74	74	74	74	71		
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	60	60	60	60	60	60	58		
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	51	51	51	51	51	51	48		
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	43	43	43	43	43	43	41		
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	38	38	38	38	38	38	35		
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	33	33	33	33	33	33	31		
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	29	29	29	29	29	29	27		
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	26	26	26	26	26	26	24		
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	24	24	24	24	24	24	22		
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	22	22	22	22	22	22	20		

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

	0°	45°	90°
0°	51208	51208	51208
5°	51391	40191	36937
10°	50909	32344	27898
15°	50143	26584	22002
20°	49142	22184	17996
25°	47849	18823	15093
30°	46372	16040	12831
35°	44631	13825	11007
40°	42627	11909	9545
45°	40329	10296	8371
50°	37951	8890	7484
55°	35498	7723	6765
60°	32844	6833	6123
65°	30134	6103	5598
70°	26987	5458	5113
75°	23130	4884	4675
80°	18693	4367	4274
85°	12718	3839	3902



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.8	3.0
10°-20°	400.1	8.1
20°-30°	578.9	11.7
30°-40°	673.4	13.6
40°-50°	685.5	13.9
50°-60°	637.8	12.9
60°-70°	555.4	11.3
70°-80°	452.1	9.2
80°-90°	342.5	6.9
90°-100°	237.5	4.8
100°-110°	139.6	2.8
110°-120°	65.5	1.3
120°-130°	18.6	0.4
130°-140°	1.0	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°	1125.9	22.8
0°-40°	1799.3	36.5
0°-60°	3122.6	63.3
0°-90°	4472.6	90.6
90°-120°	442.5	9.0
90°-150°	462.2	9.4
90°-180°	462.0	9.4
0°-180°	4934.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1586	1586	1586	1586	1586	
5°	1588	1576	1548	1548	1538	151
15°	1508	1468	1401	1376	1364	425
25°	1356	1296	1229	1219	1214	624
35°	1149	1089	1049	1059	1061	718
45°	902	866	866	902	916	696
55°	649	647	694	777	807	580
65°	412	447	567	667	702	408
75°	200	292	454	559	597	213
85°	42	182	347	457	492	49
90°	0	132	295	402	437	2
95°	0	85	242	350	385	0
105°	0	20	137	232	265	0
115°	0	0	55	127	155	0
125°	0	0	2	42	62	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°	2	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°	1585.8	1585.8	1585.8	1585.8	1585.8
2.5°	1595.8	1588.3	1568.3	1575.8	1568.3
5°	1588.3	1575.8	1548.3	1548.3	1538.3
7.5°	1573.3	1558.3	1520.8	1508.3	1495.9
10°	1558.3	1535.8	1480.9	1465.9	1450.9
12.5°	1535.8	1503.4	1440.9	1418.4	1403.5
15°	1508.3	1468.4	1401.0	1376.0	1363.5
17.5°	1475.9	1430.9	1356.0	1336.0	1326.0
20°	1440.9	1388.5	1313.6	1296.1	1286.1
22.5°	1401.0	1341.0	1271.1	1258.6	1251.1
25°	1356.0	1296.1	1228.7	1218.7	1213.7
27.5°	1311.1	1246.1	1183.7	1178.7	1176.2
30°	1258.6	1196.2	1136.3	1138.8	1138.8
32.5°	1206.2	1143.7	1096.3	1101.3	1101.3
35°	1148.7	1088.8	1048.9	1058.8	1061.3
37.5°	1088.8	1036.4	1003.9	1018.9	1026.4
40°	1028.9	981.4	956.5	978.9	986.4
42.5°	968.9	924.0	914.0	941.5	951.5
45°	901.5	866.5	866.5	901.5	916.5
47.5°	836.6	814.1	821.6	866.5	889.0
50°	774.2	756.7	776.6	834.1	859.1
52.5°	706.7	701.7	734.2	804.1	834.1
55°	649.3	646.8	694.2	776.6	806.6
57.5°	586.9	594.3	659.3	749.2	781.6
60°	526.9	541.9	626.8	721.7	751.7
62.5°	467.0	497.0	596.8	694.2	729.2
65°	412.0	447.0	566.9	666.8	701.7
67.5°	357.1	402.1	536.9	641.8	676.8
70°	302.2	362.1	509.4	614.3	649.3
72.5°	247.2	327.1	482.0	586.9	624.3
75°	199.8	292.2	454.5	559.4	596.8
77.5°	154.8	264.7	427.0	536.9	569.4
80°	112.4	234.7	402.1	509.4	544.4
82.5°	72.4	209.8	374.6	482.0	519.4
85°	42.5	182.3	347.1	457.0	492.0
87.5°	17.5	154.8	322.1	429.5	464.5
90°	0.0	132.4	294.7	402.1	437.0
92.5°	0.0	109.9	269.7	377.1	412.0
95°	0.0	84.9	242.2	349.6	384.6
97.5°	0.0	64.9	214.8	322.1	357.1
100°	0.0	49.9	187.3	289.7	327.1
102.5°	0.0	35.0	159.8	259.7	297.2
105°	0.0	20.0	137.3	232.2	264.7
107.5°	0.0	10.0	114.9	204.8	237.2
110°	0.0	2.5	92.4	177.3	207.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	72.4	152.3	182.3
115°	0.0	0.0	54.9	127.4	154.8
117.5°	0.0	0.0	37.5	104.9	129.9
120°	0.0	0.0	22.5	82.4	104.9
122.5°	0.0	0.0	10.0	62.4	82.4
125°	0.0	0.0	2.5	42.5	62.4
127.5°	0.0	0.0	0.0	25.0	42.5
130°	0.0	0.0	0.0	12.5	25.0
132.5°	0.0	0.0	0.0	2.5	10.0
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°	2.5	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)