

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-40-L835-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-40-L835-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 80 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3906.7 lumens  
Efficiency: N/A  
Efficacy: 141.0 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

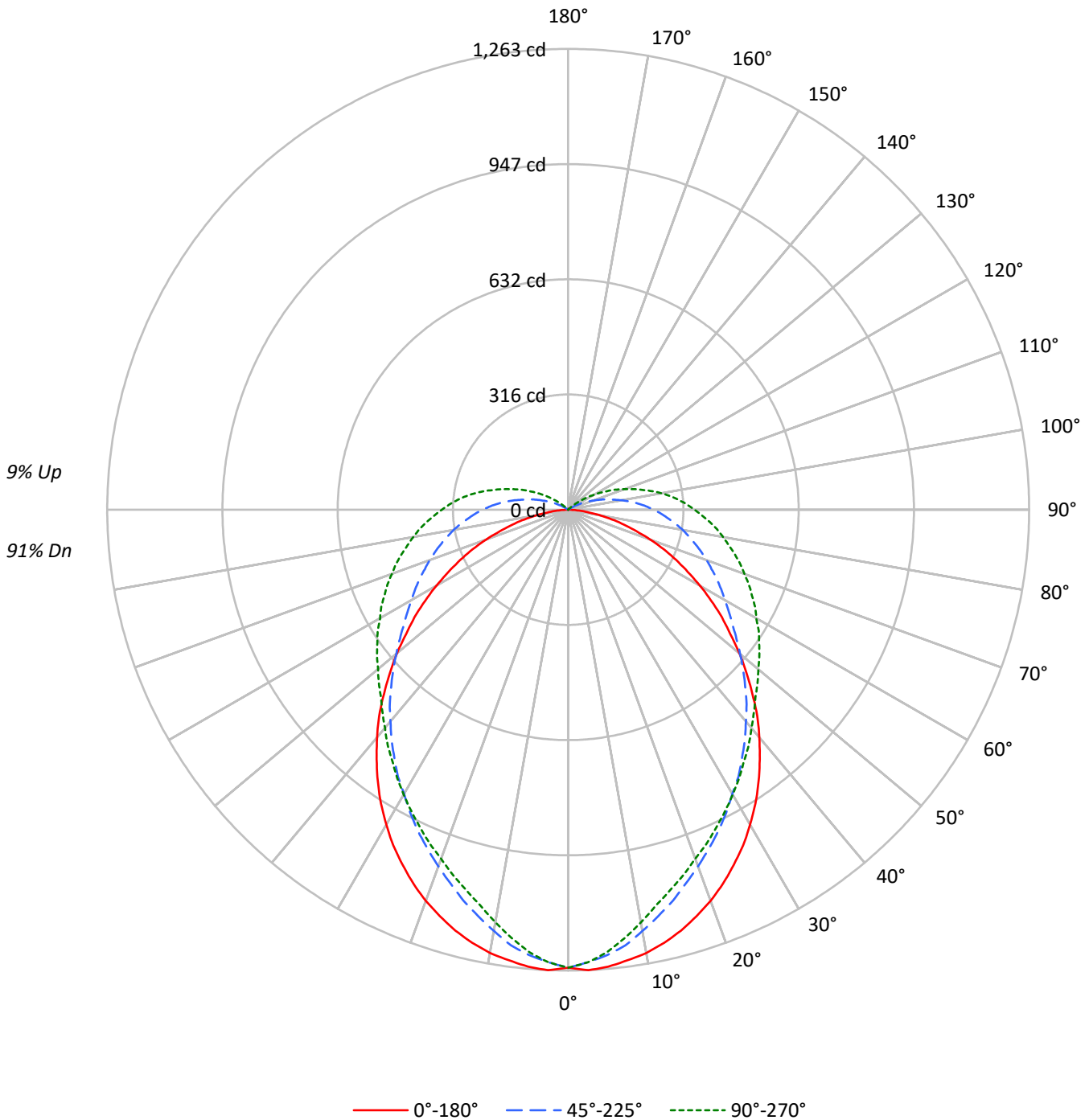
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	81077	81077	81077
5°	81221	63568	58483
10°	80315	51123	44171
15°	78957	41996	34835
20°	77227	35031	28494
25°	75039	29715	23896
30°	72560	25313	20314
35°	69666	21813	17428
40°	66348	18787	15112
45°	62578	16241	13254
50°	58667	14020	11849
55°	54624	12178	10712
60°	50249	10772	9695
65°	45760	9621	8863
70°	40528	8603	8095
75°	34163	7696	7402
80°	26774	6880	6768
85°	16866	6049	6178



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.2	3.0
10°-20°	316.8	8.1
20°-30°	458.3	11.7
30°-40°	533.1	13.6
40°-50°	542.7	13.9
50°-60°	504.9	12.9
60°-70°	439.7	11.3
70°-80°	357.9	9.2
80°-90°	271.1	6.9
90°-100°	188.0	4.8
100°-110°	110.5	2.8
110°-120°	51.8	1.3
120°-130°	14.7	0.4
130°-140°	0.8	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°	891.3	22.8
0°-40°	1424.5	36.5
0°-60°	2472.1	63.3
0°-90°	3540.8	90.6
90°-120°	350.3	9.0
90°-150°	365.9	9.4
90°-180°	366.0	9.4
0°-180°	3906.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1257	1248	1226	1226	1218	119
15°	1194	1162	1109	1089	1079	336
25°	1074	1026	973	965	961	494
35°	909	862	830	838	840	568
45°	714	686	686	714	726	551
55°	514	512	550	615	639	459
65°	326	354	449	528	556	323
75°	158	231	360	443	472	169
85°	34	144	275	362	390	39
90°	0	105	233	318	346	2
95°	0	67	192	277	304	0
105°	0	16	109	184	210	0
115°	0	0	44	101	123	0
125°	0	0	2	34	49	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°	1255.4	1255.4	1255.4	1255.4	1255.4
2.5°	1263.3	1257.4	1241.6	1247.5	1241.6
5°	1257.4	1247.5	1225.7	1225.7	1217.8
7.5°	1245.5	1233.7	1204.0	1194.1	1184.2
10°	1233.7	1215.9	1172.4	1160.5	1148.6
12.5°	1215.9	1190.2	1140.7	1122.9	1111.1
15°	1194.1	1162.5	1109.1	1089.3	1079.4
17.5°	1168.4	1132.8	1073.5	1057.7	1049.8
20°	1140.7	1099.2	1039.9	1026.1	1018.2
22.5°	1109.1	1061.7	1006.3	996.4	990.5
25°	1073.5	1026.1	972.7	964.8	960.8
27.5°	1037.9	986.5	937.1	933.1	931.2
30°	996.4	947.0	899.5	901.5	901.5
32.5°	954.9	905.5	867.9	871.9	871.9
35°	909.4	862.0	830.3	838.3	840.2
37.5°	862.0	820.5	794.8	806.6	812.6
40°	814.5	777.0	757.2	775.0	780.9
42.5°	767.1	731.5	723.6	745.3	753.2
45°	713.7	686.0	686.0	713.7	725.6
47.5°	662.3	644.5	650.4	686.0	703.8
50°	612.9	599.0	614.8	660.3	680.1
52.5°	559.5	555.5	581.2	636.6	660.3
55°	514.0	512.0	549.6	614.8	638.6
57.5°	464.6	470.5	521.9	593.1	618.8
60°	417.1	429.0	496.2	571.4	595.1
62.5°	369.7	393.4	472.5	549.6	577.3
65°	326.2	353.9	448.8	527.9	555.5
67.5°	282.7	318.3	425.1	508.1	535.8
70°	239.2	286.7	403.3	486.3	514.0
72.5°	195.7	259.0	381.6	464.6	494.3
75°	158.2	231.3	359.8	442.9	472.5
77.5°	122.6	209.6	338.1	425.1	450.8
80°	89.0	185.8	318.3	403.3	431.0
82.5°	57.3	166.1	296.6	381.6	411.2
85°	33.6	144.3	274.8	361.8	389.5
87.5°	13.8	122.6	255.0	340.0	367.7
90°	0.0	104.8	233.3	318.3	346.0
92.5°	0.0	87.0	213.5	298.5	326.2
95°	0.0	67.2	191.8	276.8	304.5
97.5°	0.0	51.4	170.0	255.0	282.7
100°	0.0	39.5	148.3	229.3	259.0
102.5°	0.0	27.7	126.5	205.6	235.3
105°	0.0	15.8	108.7	183.9	209.6
107.5°	0.0	7.9	90.9	162.1	187.8
110°	0.0	2.0	73.1	140.4	164.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	57.3	120.6	144.3
115°	0.0	0.0	43.5	100.8	122.6
117.5°	0.0	0.0	29.7	83.0	102.8
120°	0.0	0.0	17.8	65.2	83.0
122.5°	0.0	0.0	7.9	49.4	65.2
125°	0.0	0.0	2.0	33.6	49.4
127.5°	0.0	0.0	0.0	19.8	33.6
130°	0.0	0.0	0.0	9.9	19.8
132.5°	0.0	0.0	0.0	2.0	7.9
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°	2.0	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)