

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: P#

Luminaire Tested: **4RSRK-TS-100-HE-L835**

Issue Date: 3/3/2020



**Test Information**

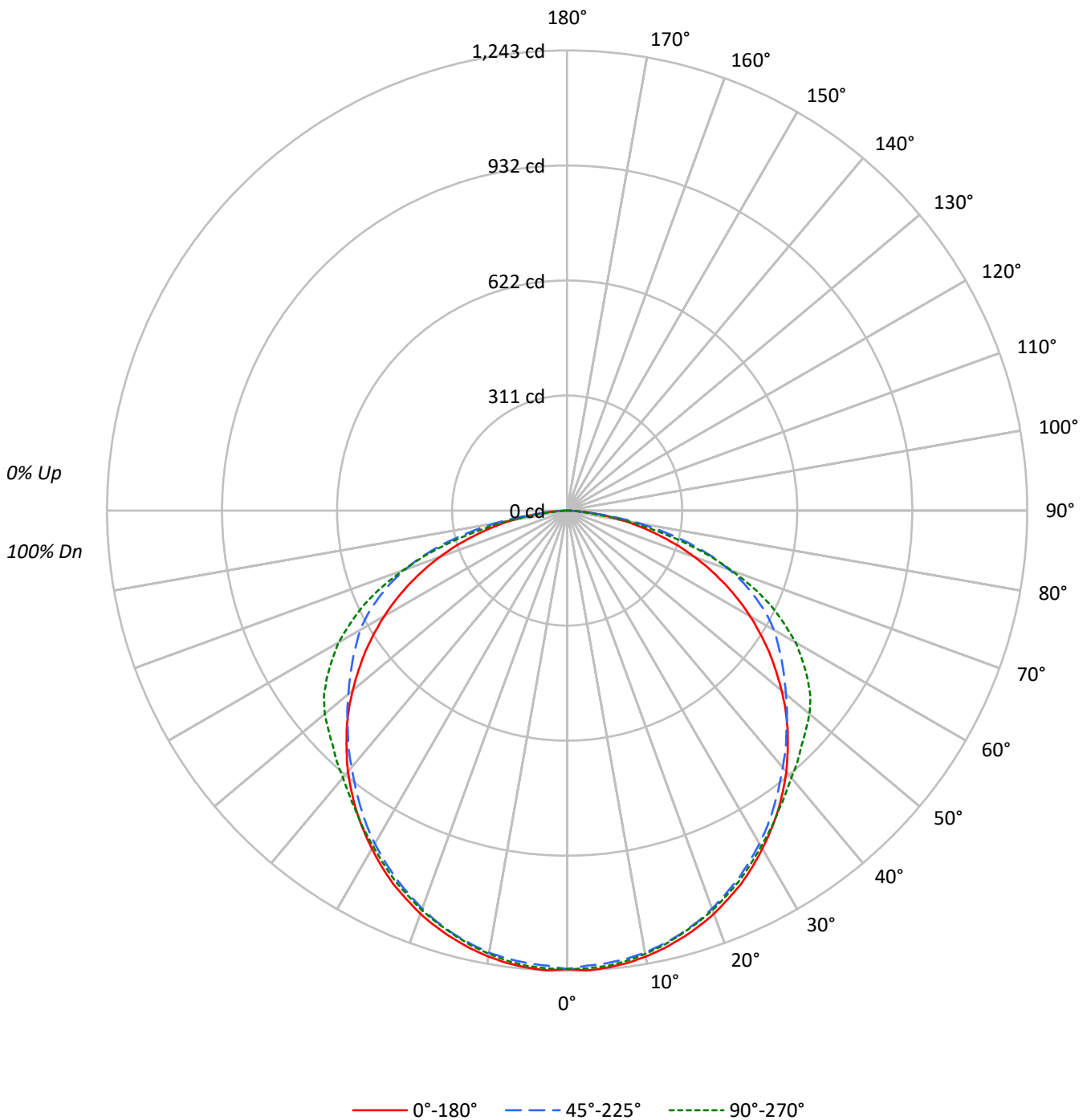
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TS-100-HE-L835  
Description: 4ft RSRK, 1000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3813.3 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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

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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

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

	0°	45°	90°
0°	3333	3333	3333
5°	3348	3315	3335
10°	3342	3313	3322
15°	3331	3298	3304
20°	3319	3277	3289
25°	3303	3253	3273
30°	3278	3228	3255
35°	3259	3202	3263
40°	3236	3182	3309
45°	3206	3188	3409
50°	3166	3230	3577
55°	3125	3322	3720
60°	3070	3474	3836
65°	2995	3590	3867
70°	2880	3669	3716
75°	2653	3550	3320
80°	2351	3054	2546
85°	1692	1547	1010



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.3	3.1
10°-20°	335.7	8.8
20°-30°	508.3	13.3
30°-40°	616.5	16.2
40°-50°	659.5	17.3
50°-60°	639.2	16.8
60°-70°	535.3	14.0
70°-80°	329.0	8.6
80°-90°	72.6	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	961.2	25.2
0°-40°	1577.7	41.4
0°-60°	2876.4	75.4
0°-90°	3813.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3813.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1239	1239	1239	1239	1239	
5°	1239	1237	1227	1235	1235	118
15°	1196	1193	1184	1189	1186	338
25°	1112	1106	1096	1103	1102	512
35°	992	979	975	991	993	620
45°	842	824	838	880	896	650
55°	666	648	708	778	793	595
65°	470	468	564	602	607	465
75°	255	298	341	327	319	272
85°	55	74	50	35	33	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1238.6	1238.6	1238.6	1238.6	1238.6
2.5°	1243.3	1239.9	1230.6	1238.6	1237.9
5°	1239.3	1236.6	1227.2	1235.3	1234.6
7.5°	1233.2	1230.6	1221.2	1229.2	1227.2
10°	1223.2	1221.2	1212.5	1218.6	1215.9
12.5°	1211.2	1209.2	1199.2	1205.9	1202.5
15°	1195.8	1193.2	1183.8	1189.2	1185.8
17.5°	1178.5	1175.1	1165.8	1171.1	1167.8
20°	1159.1	1154.4	1144.4	1151.7	1148.4
22.5°	1135.7	1132.4	1120.3	1128.4	1125.0
25°	1112.3	1105.6	1095.6	1103.0	1102.3
27.5°	1084.3	1077.6	1067.6	1076.3	1074.9
30°	1054.9	1047.5	1038.8	1047.5	1047.5
32.5°	1024.1	1014.8	1008.1	1018.1	1021.5
35°	992.1	979.4	974.7	991.4	993.4
37.5°	956.7	944.0	940.0	962.0	967.4
40°	921.3	905.2	905.9	934.0	942.0
42.5°	881.8	865.8	873.2	905.9	920.6
45°	842.4	824.4	837.8	880.5	895.9
47.5°	801.0	783.6	805.7	855.8	875.2
50°	756.2	738.9	771.6	832.4	854.5
52.5°	710.8	692.8	738.9	808.4	828.4
55°	666.1	648.0	708.1	778.3	793.0
57.5°	618.0	602.6	676.1	738.9	753.6
60°	570.5	557.2	645.4	698.8	712.8
62.5°	521.8	511.7	607.9	652.7	660.7
65°	470.3	467.6	563.8	601.9	607.3
67.5°	418.9	425.6	518.4	543.1	543.8
70°	366.1	384.1	466.3	477.0	472.3
72.5°	312.7	344.1	408.9	403.5	399.5
75°	255.2	298.0	341.4	326.7	319.3
77.5°	203.1	251.2	269.2	248.5	237.2
80°	151.7	198.4	197.1	170.4	164.3
82.5°	102.2	138.3	118.2	96.2	84.2
85°	54.8	73.5	50.1	34.7	32.7
87.5°	20.7	17.4	13.4	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)