

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: **6RSRK-TB-65-HE-L835**

Issue Date: 3/3/2020



**Test Information**

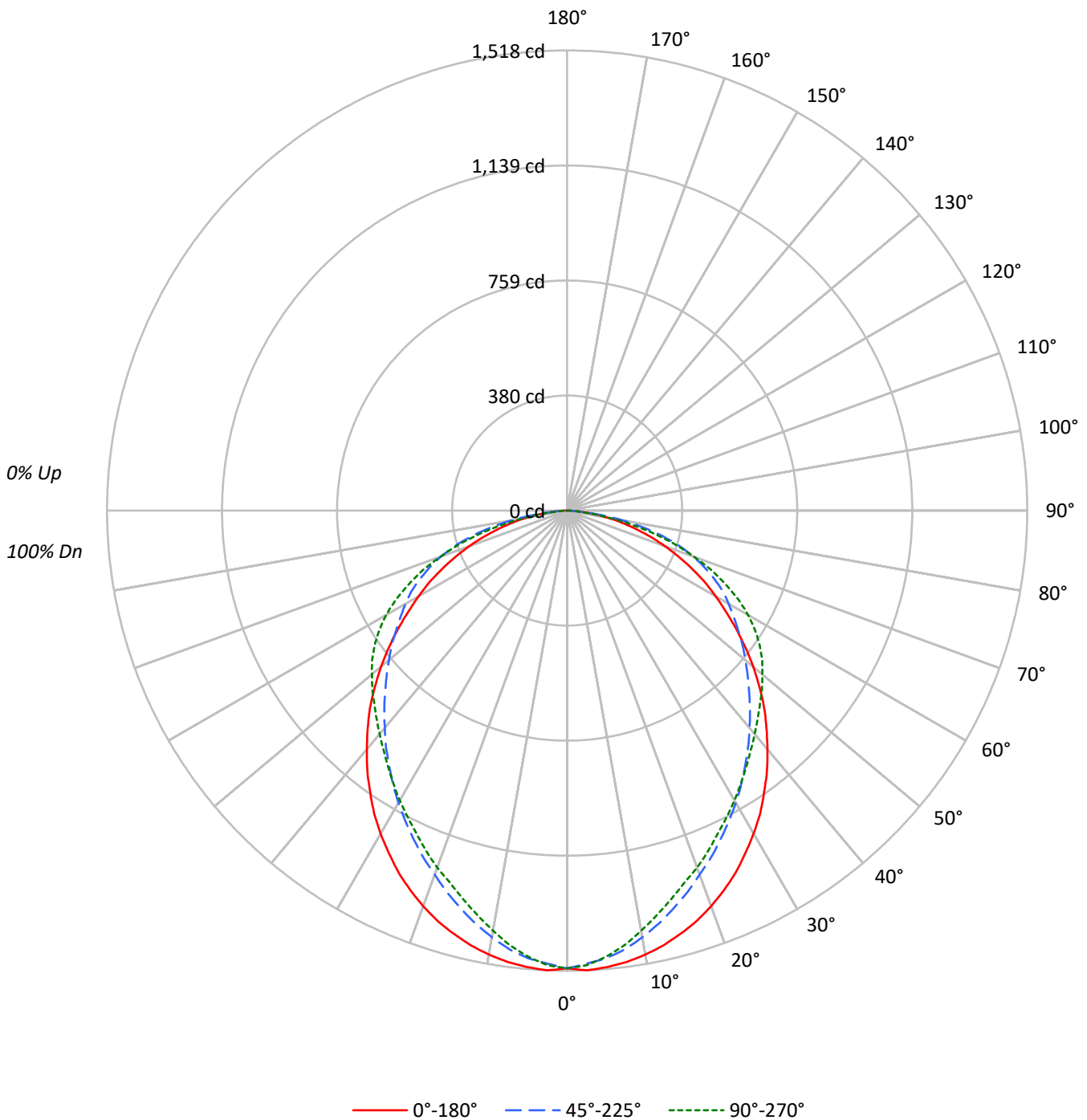
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-65-HE-L835  
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3950.0 lumens  
Efficiency: N/A  
Efficacy: 209.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 18.9  
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°	45°	90°
0°	2709	2709	2709
5°	2722	2669	2660
10°	2709	2604	2563
15°	2684	2523	2464
20°	2651	2439	2393
25°	2607	2370	2327
30°	2549	2306	2288
35°	2482	2243	2256
40°	2407	2191	2253
45°	2332	2154	2283
50°	2237	2140	2347
55°	2131	2154	2426
60°	2030	2208	2474
65°	1931	2277	2452
70°	1805	2326	2332
75°	1620	2258	2088
80°	1417	1916	1552
85°	1064	1013	655



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.7	3.6
10°-20°	387.2	9.8
20°-30°	563.3	14.3
30°-40°	658.9	16.7
40°-50°	677.3	17.1
50°-60°	630.1	16.0
60°-70°	512.5	13.0
70°-80°	310.4	7.9
80°-90°	69.5	1.8
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°	1091.3	27.6
0°-40°	1750.2	44.3
0°-60°	3057.5	77.4
0°-90°	3950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3950.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1510	1510	1510	1510	1510	
5°	1512	1502	1482	1485	1477	144
15°	1445	1414	1358	1338	1326	408
25°	1317	1261	1197	1185	1175	606
35°	1133	1073	1024	1031	1030	709
45°	919	860	849	886	900	708
55°	681	644	689	759	776	610
65°	455	446	536	579	578	450
75°	234	278	326	311	301	250
85°	52	71	49	36	32	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1510.0	1510.0	1510.0	1510.0	1510.0
2.5°	1517.9	1511.0	1496.1	1504.5	1501.0
5°	1511.5	1502.5	1482.1	1485.1	1477.2
7.5°	1502.0	1489.1	1459.8	1453.8	1446.8
10°	1487.1	1468.2	1429.4	1420.0	1407.1
12.5°	1468.7	1444.4	1395.6	1378.7	1366.8
15°	1445.4	1414.5	1358.3	1338.0	1326.5
17.5°	1420.0	1381.7	1319.6	1298.7	1286.7
20°	1388.7	1344.9	1277.8	1260.4	1253.4
22.5°	1353.9	1303.7	1239.0	1223.6	1215.6
25°	1317.1	1261.4	1197.3	1185.3	1175.4
27.5°	1273.8	1217.1	1155.0	1146.5	1139.6
30°	1230.6	1172.4	1113.2	1107.3	1104.3
32.5°	1184.8	1121.7	1069.5	1068.5	1067.0
35°	1133.1	1073.0	1024.2	1030.7	1030.2
37.5°	1082.9	1021.2	981.5	992.9	995.4
40°	1027.7	967.5	935.7	955.1	962.1
42.5°	973.5	915.8	893.0	919.3	930.8
45°	919.3	860.2	849.2	886.5	899.9
47.5°	860.2	807.0	807.9	855.7	871.6
50°	801.5	751.8	766.7	822.4	840.8
52.5°	740.8	698.1	729.4	790.0	810.9
55°	681.2	643.9	688.6	758.7	775.6
57.5°	621.5	591.7	651.3	718.5	735.4
60°	565.8	540.0	615.5	676.7	689.6
62.5°	512.6	491.7	580.2	630.9	637.4
65°	454.9	446.5	536.5	579.2	577.7
67.5°	398.3	400.2	491.7	519.6	517.1
70°	344.1	360.0	443.5	454.9	444.5
72.5°	288.4	318.2	387.3	386.3	375.9
75°	233.7	277.9	325.7	311.2	301.3
77.5°	186.4	234.7	258.5	238.7	222.7
80°	137.2	187.9	185.5	163.1	150.2
82.5°	90.0	130.8	114.9	92.5	86.5
85°	51.7	71.1	49.2	35.8	31.8
87.5°	21.9	18.9	12.4	11.4	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)