

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: **8RSRK-TB-100-HE-L835**

Issue Date: 3/3/2020



**Test Information**

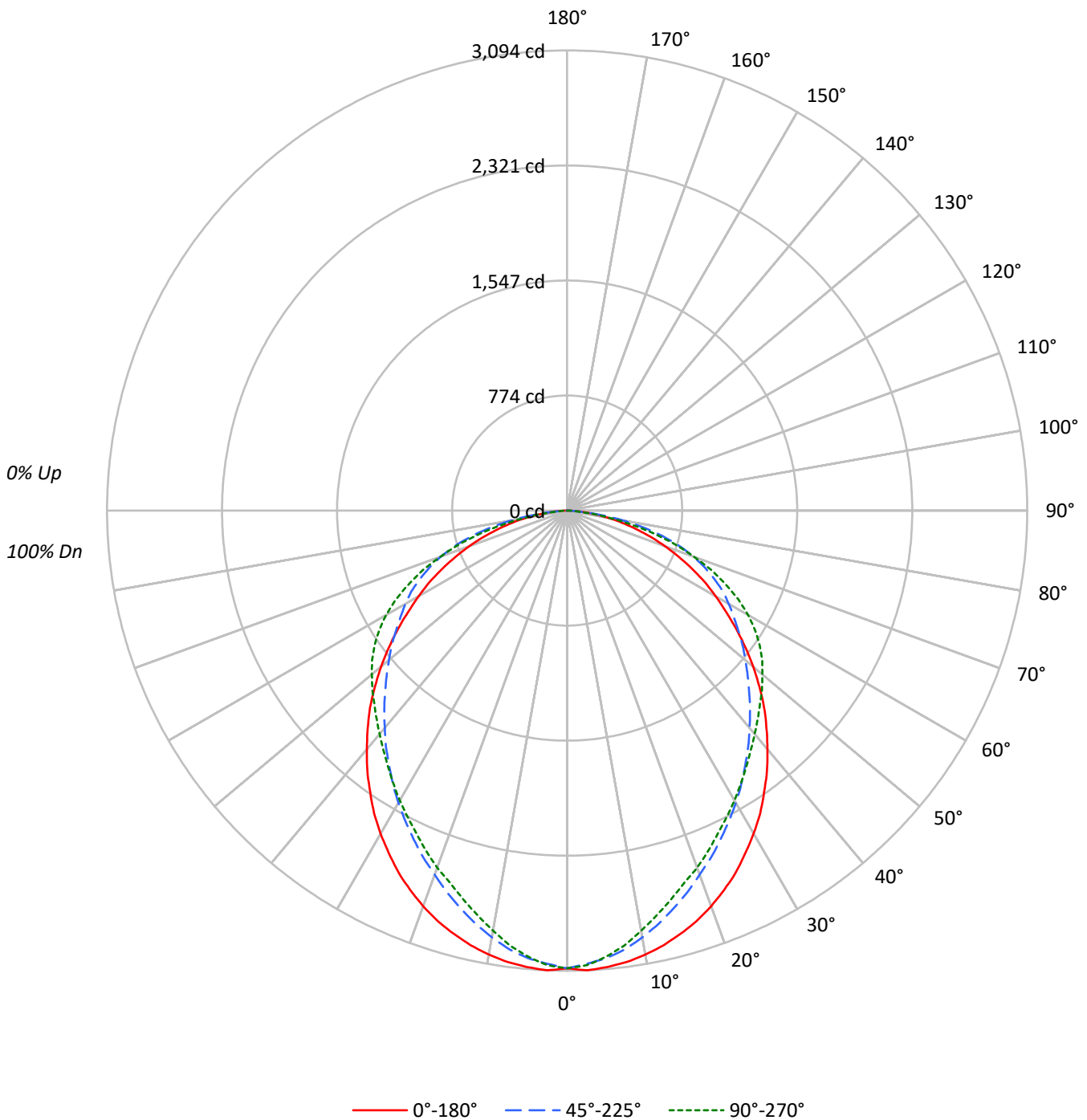
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TB-100-HE-L835  
Description: 8ft RSRK, 1000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8051.4 lumens  
Efficiency: N/A  
Efficacy: 279.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 8' 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	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					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

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

	0°	45°	90°
0°	4141	4141	4141
5°	4161	4080	4067
10°	4141	3981	3919
15°	4104	3857	3766
20°	4053	3729	3658
25°	3986	3623	3557
30°	3897	3525	3497
35°	3794	3429	3449
40°	3679	3350	3444
45°	3566	3294	3491
50°	3420	3271	3587
55°	3257	3293	3709
60°	3104	3376	3783
65°	2952	3481	3749
70°	2759	3556	3564
75°	2476	3451	3193
80°	2167	2929	2372
85°	1627	1548	1002



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.9	3.6
10°-20°	789.3	9.8
20°-30°	1148.3	14.3
30°-40°	1343.0	16.7
40°-50°	1380.5	17.1
50°-60°	1284.3	16.0
60°-70°	1044.7	13.0
70°-80°	632.8	7.9
80°-90°	141.7	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°	2224.4	27.6
0°-40°	3567.5	44.3
0°-60°	6232.3	77.4
0°-90°	8051.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8051.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3078	3078	3078	3078	3078	
5°	3081	3063	3021	3027	3011	293
15°	2946	2883	2769	2727	2704	831
25°	2685	2571	2440	2416	2396	1235
35°	2310	2187	2088	2101	2100	1445
45°	1874	1753	1731	1807	1834	1443
55°	1388	1312	1404	1546	1581	1243
65°	927	910	1094	1181	1178	918
75°	476	566	664	634	614	510
85°	105	145	100	73	65	129
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3077.9	3077.9	3077.9	3077.9	3077.9
2.5°	3094.1	3079.9	3049.5	3066.7	3059.6
5°	3080.9	3062.7	3021.1	3027.2	3011.0
7.5°	3061.7	3035.3	2975.5	2963.3	2949.2
10°	3031.2	2992.7	2913.7	2894.4	2868.1
12.5°	2993.8	2944.1	2844.8	2810.3	2786.0
15°	2946.1	2883.3	2768.8	2727.2	2703.9
17.5°	2894.4	2816.4	2689.7	2647.1	2622.8
20°	2830.6	2741.4	2604.6	2569.1	2554.9
22.5°	2759.6	2657.3	2525.5	2494.1	2477.9
25°	2684.6	2571.1	2440.4	2416.1	2395.8
27.5°	2596.5	2480.9	2354.3	2337.0	2322.8
30°	2508.3	2389.7	2269.1	2257.0	2250.9
32.5°	2415.1	2286.4	2179.9	2177.9	2174.9
35°	2309.7	2187.0	2087.7	2100.9	2099.9
37.5°	2207.3	2081.6	2000.6	2023.9	2028.9
40°	2094.8	1972.2	1907.3	1946.8	1961.0
42.5°	1984.3	1866.8	1820.2	1873.9	1897.2
45°	1873.9	1753.3	1731.0	1807.0	1834.4
47.5°	1753.3	1644.8	1646.9	1744.2	1776.6
50°	1633.7	1532.3	1562.7	1676.3	1713.8
52.5°	1510.1	1422.9	1486.7	1610.4	1652.9
55°	1388.4	1312.4	1403.6	1546.5	1581.0
57.5°	1266.8	1206.0	1327.6	1464.4	1498.9
60°	1153.3	1100.6	1254.7	1379.3	1405.7
62.5°	1044.9	1002.3	1182.7	1286.1	1299.3
65°	927.3	910.1	1093.5	1180.7	1177.6
67.5°	811.8	815.8	1002.3	1059.1	1054.0
70°	701.3	733.7	904.0	927.3	906.0
72.5°	587.8	648.6	789.5	787.5	766.2
75°	476.3	566.5	663.8	634.4	614.2
77.5°	380.0	478.4	527.0	486.5	454.0
80°	279.7	383.1	378.0	332.4	306.1
82.5°	183.4	266.5	234.1	188.5	176.3
85°	105.4	144.9	100.3	73.0	64.9
87.5°	44.6	38.5	25.3	23.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)