

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-200-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 (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-200-HE-L835  
Description: 4ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

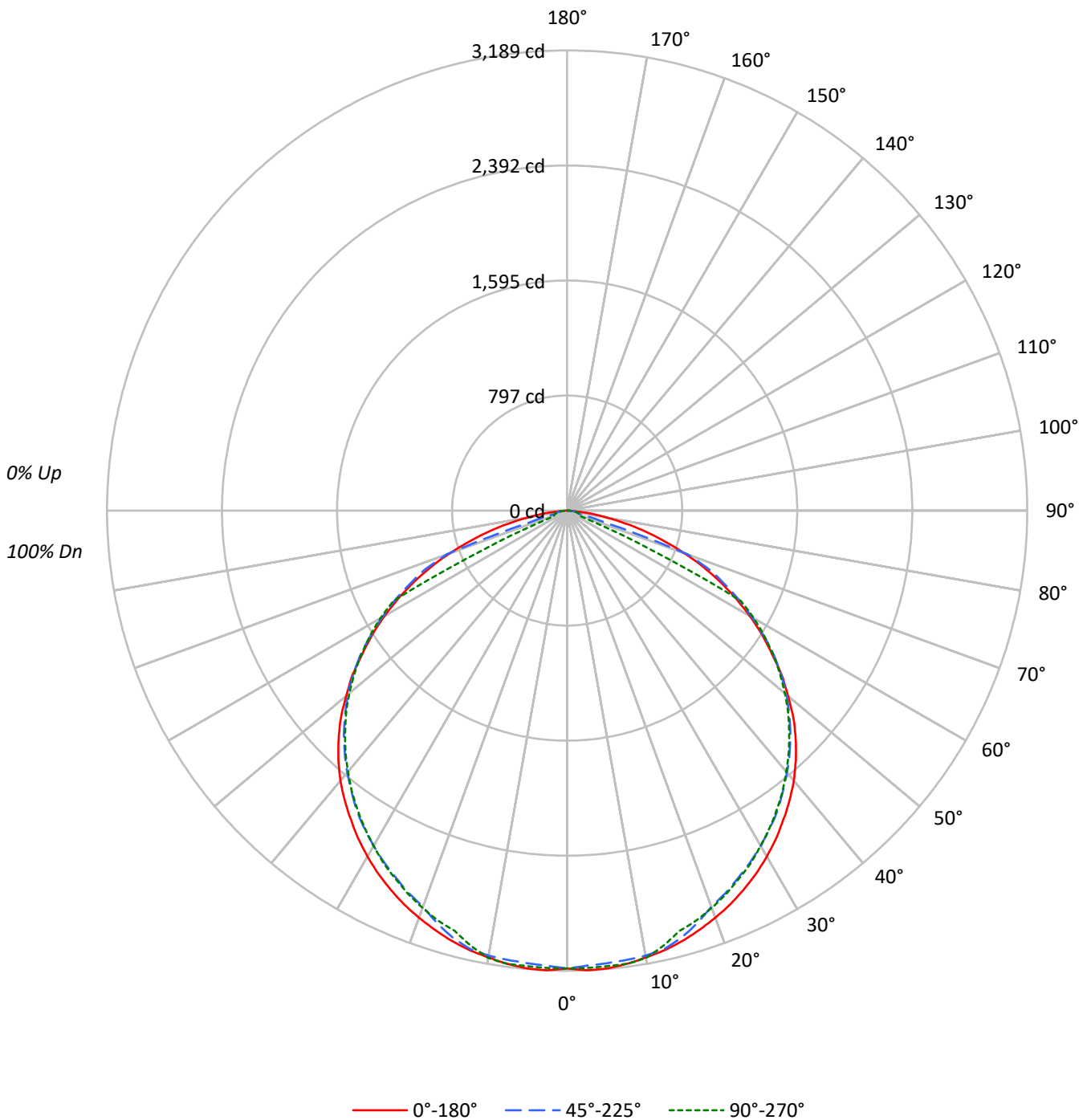
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8734.7 lumens  
Efficiency: N/A  
Efficacy: 142.7 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.2  
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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	8538	8538	8538
5°	8604	8505	8560
10°	8592	8559	8603
15°	8602	8534	8399
20°	8598	8367	8390
25°	8603	8338	8362
30°	8600	8335	8335
35°	8586	8347	8320
40°	8584	8327	8299
45°	8528	8327	8281
50°	8363	8313	8245
55°	8137	8213	8175
60°	7873	7960	8047
65°	7456	7663	4050
70°	6823	6983	766
75°	5857	842	926
80°	4396	1066	1066
85°	2251	1124	1000



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.4	3.5
10°-20°	863.5	9.9
20°-30°	1312.7	15.0
30°-40°	1599.1	18.3
40°-50°	1692.1	19.4
50°-60°	1552.0	17.8
60°-70°	1046.9	12.0
70°-80°	316.4	3.6
80°-90°	50.6	0.6
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°	2477.7	28.4
0°-40°	4076.8	46.7
0°-60°	7320.9	83.8
0°-90°	8734.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8734.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3173	3173	3173	3173	3173	
5°	3185	3161	3148	3177	3169	303
15°	3088	3072	3063	3039	3015	872
25°	2897	2893	2808	2836	2816	1336
35°	2614	2557	2541	2549	2533	1637
45°	2241	2188	2188	2192	2176	1725
55°	1734	1710	1750	1750	1742	1552
65°	1171	1155	1203	1220	636	1156
75°	563	567	81	89	89	597
85°	73	36	36	32	32	111
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3172.9	3172.9	3172.9	3172.9	3172.9
2.5°	3189.1	3164.7	3156.7	3176.9	3172.9
5°	3185.0	3160.7	3148.5	3176.9	3168.8
7.5°	3168.8	3144.5	3140.5	3172.9	3168.8
10°	3144.5	3128.3	3132.3	3160.7	3148.5
12.5°	3120.2	3104.0	3112.1	3104.0	3087.7
15°	3087.7	3071.5	3063.4	3039.1	3014.8
17.5°	3047.2	3039.1	2998.6	2990.5	2978.4
20°	3002.6	3002.6	2921.6	2946.0	2929.8
22.5°	2954.0	2954.0	2868.9	2893.2	2877.0
25°	2897.3	2893.2	2808.1	2836.5	2816.3
27.5°	2836.5	2816.3	2747.4	2771.7	2755.5
30°	2767.7	2731.2	2682.5	2698.7	2682.5
32.5°	2694.6	2642.0	2613.6	2625.8	2609.6
35°	2613.6	2557.0	2540.8	2548.8	2532.6
37.5°	2532.6	2471.8	2455.6	2467.7	2451.5
40°	2443.5	2386.7	2370.5	2378.7	2362.5
42.5°	2346.2	2297.6	2281.4	2285.4	2273.2
45°	2240.8	2188.2	2188.2	2192.2	2176.0
47.5°	2127.3	2082.8	2086.9	2090.9	2078.7
50°	1997.7	1965.3	1985.6	1989.7	1969.4
52.5°	1876.2	1843.8	1868.0	1876.2	1860.0
55°	1734.3	1710.0	1750.5	1750.5	1742.4
57.5°	1600.7	1576.2	1616.9	1633.1	1620.9
60°	1462.8	1438.6	1479.0	1507.4	1495.2
62.5°	1316.9	1296.7	1345.3	1381.7	1357.5
65°	1171.0	1154.8	1203.4	1219.7	636.1
67.5°	1021.1	1008.9	1065.8	385.0	101.3
70°	867.2	855.1	887.5	97.3	97.3
72.5°	709.2	713.2	283.7	93.2	93.2
75°	563.3	567.3	81.0	89.1	89.1
77.5°	417.4	425.4	77.0	81.0	81.0
80°	283.7	206.7	68.8	68.8	68.8
82.5°	170.2	48.6	52.6	52.6	48.6
85°	72.9	36.4	36.4	32.4	32.4
87.5°	24.3	16.2	16.2	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)