

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-200-HE-L835**

Issue Date: 3/3/2020



**Test Information**

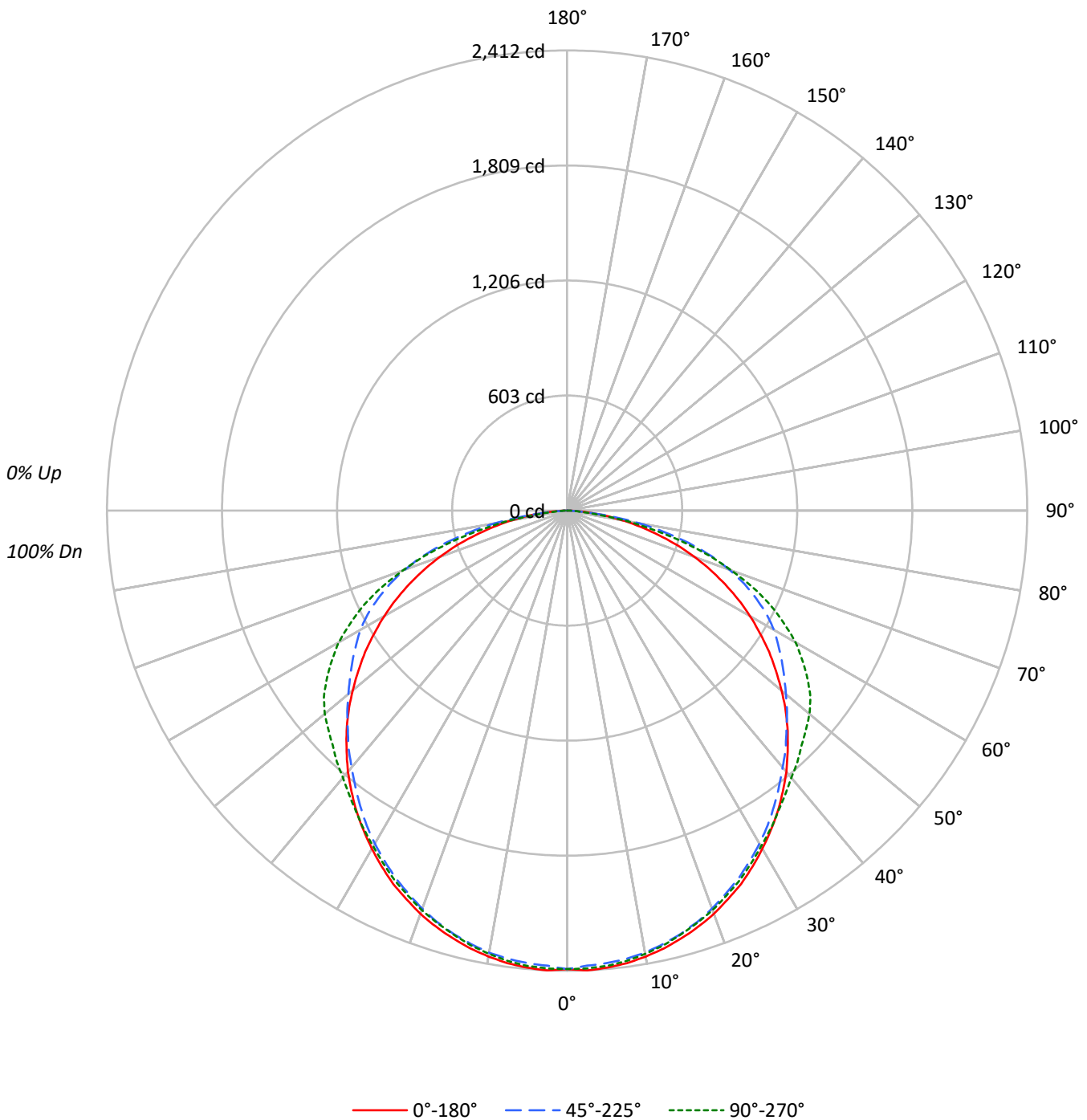
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TS-200-HE-L835  
Description: 4ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7399.3 lumens  
Efficiency: N/A  
Efficacy: 120.9 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): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24

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

	0°	45°	90°
0°	6467	6467	6467
5°	6496	6433	6471
10°	6486	6429	6447
15°	6464	6400	6410
20°	6441	6359	6381
25°	6409	6312	6351
30°	6360	6264	6316
35°	6324	6213	6332
40°	6280	6175	6421
45°	6221	6186	6616
50°	6143	6268	6941
55°	6063	6447	7219
60°	5958	6739	7444
65°	5811	6967	7503
70°	5589	7119	7211
75°	5149	6887	6442
80°	4561	5926	4942
85°	3282	3001	1961



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.6	3.1
10°-20°	651.3	8.8
20°-30°	986.3	13.3
30°-40°	1196.2	16.2
40°-50°	1279.7	17.3
50°-60°	1240.3	16.8
60°-70°	1038.7	14.0
70°-80°	638.3	8.6
80°-90°	141.0	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°	1865.2	25.2
0°-40°	3061.4	41.4
0°-60°	5581.3	75.4
0°-90°	7399.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7399.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2403	2403	2403	2403	2403	
5°	2405	2400	2381	2397	2396	229
15°	2320	2315	2297	2307	2301	655
25°	2158	2145	2126	2140	2139	994
35°	1925	1900	1891	1924	1928	1204
45°	1635	1600	1626	1708	1738	1260
55°	1292	1257	1374	1510	1539	1154
65°	913	907	1094	1168	1178	902
75°	495	578	662	634	620	527
85°	106	143	97	67	64	134
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2403.4	2403.4	2403.4	2403.4	2403.4
2.5°	2412.4	2406.0	2387.8	2403.4	2402.1
5°	2404.7	2399.5	2381.3	2396.9	2395.6
7.5°	2393.0	2387.8	2369.7	2385.2	2381.3
10°	2373.5	2369.7	2352.8	2364.5	2359.3
12.5°	2350.2	2346.3	2326.9	2339.8	2333.4
15°	2320.4	2315.2	2297.1	2307.4	2301.0
17.5°	2286.7	2280.2	2262.1	2272.4	2266.0
20°	2249.1	2240.0	2220.6	2234.8	2228.4
22.5°	2203.7	2197.3	2173.9	2189.5	2183.0
25°	2158.4	2145.4	2126.0	2140.2	2138.9
27.5°	2103.9	2091.0	2071.5	2088.4	2085.8
30°	2046.9	2032.6	2015.8	2032.6	2032.6
32.5°	1987.2	1969.1	1956.1	1975.6	1982.1
35°	1925.0	1900.4	1891.3	1923.7	1927.6
37.5°	1856.3	1831.7	1823.9	1866.7	1877.1
40°	1787.6	1756.5	1757.8	1812.2	1827.8
42.5°	1711.1	1680.0	1694.3	1757.8	1786.3
45°	1634.7	1599.7	1625.6	1708.5	1738.4
47.5°	1554.3	1520.6	1563.4	1660.6	1698.2
50°	1467.4	1433.7	1497.2	1615.2	1658.0
52.5°	1379.3	1344.3	1433.7	1568.5	1607.4
55°	1292.4	1257.4	1374.1	1510.2	1538.7
57.5°	1199.1	1169.3	1311.9	1433.7	1462.2
60°	1107.1	1081.1	1252.2	1355.9	1383.2
62.5°	1012.4	993.0	1179.6	1266.5	1282.1
65°	912.6	907.4	1094.1	1168.0	1178.3
67.5°	812.8	825.8	1005.9	1053.9	1055.2
70°	710.4	745.4	904.8	925.6	916.5
72.5°	606.7	667.6	793.3	783.0	775.2
75°	495.2	578.2	662.4	633.9	619.6
77.5°	394.1	487.4	522.4	482.2	460.2
80°	294.3	385.0	382.4	330.6	318.9
82.5°	198.3	268.3	229.4	186.7	163.3
85°	106.3	142.6	97.2	67.4	63.5
87.5°	40.2	33.7	25.9	23.3	23.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)