

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-200-HE-L830**

Issue Date: 3/3/2020



**Test Information**

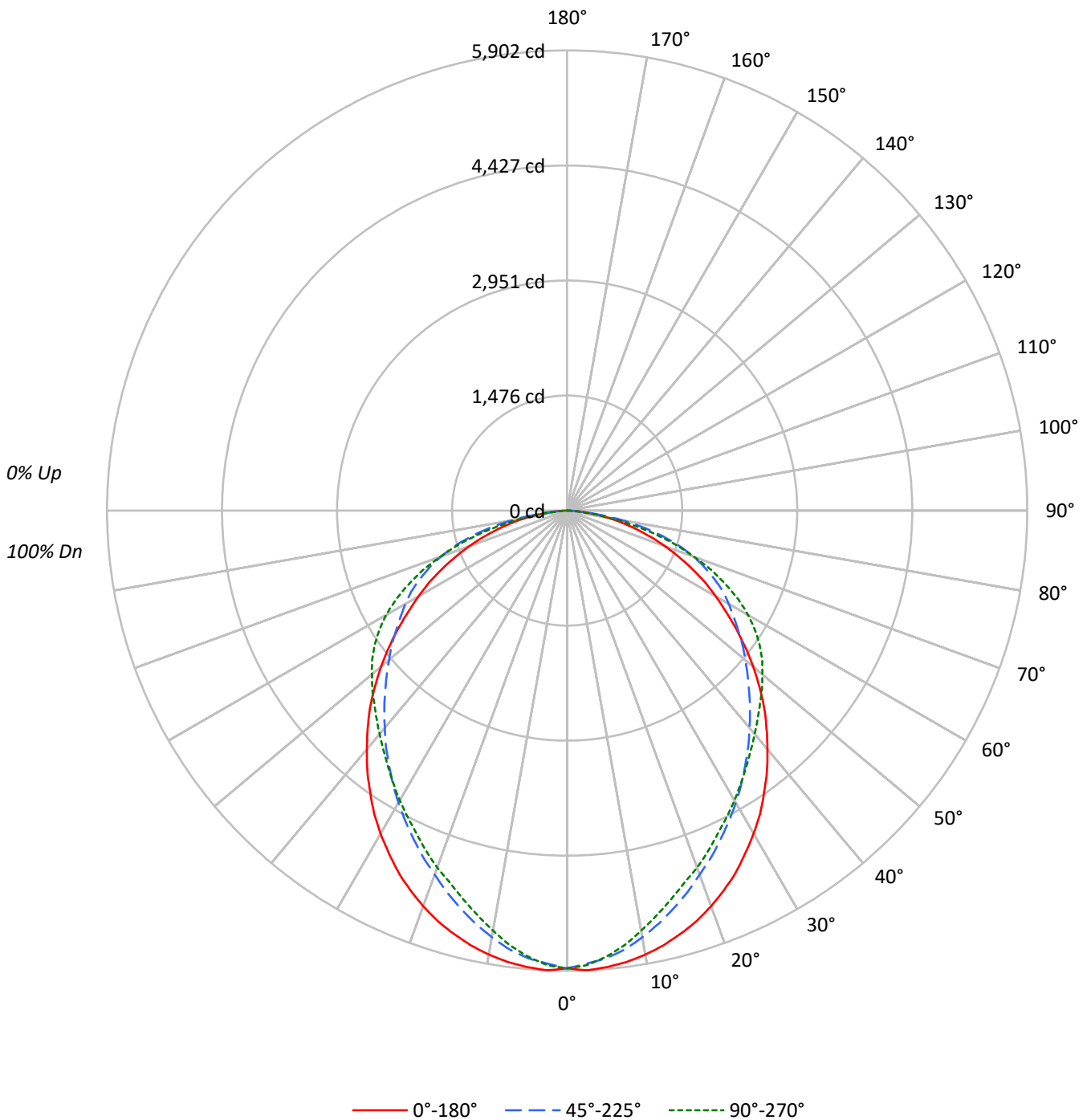
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TB-200-HE-L830  
Description: 8ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15358.1 lumens  
Efficiency: N/A  
Efficacy: 250.9 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): 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	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°	7899	7899	7899
5°	7937	7783	7757
10°	7900	7593	7475
15°	7828	7357	7184
20°	7731	7114	6978
25°	7603	6911	6785
30°	7434	6725	6671
35°	7237	6541	6579
40°	7018	6390	6570
45°	6801	6283	6658
50°	6523	6240	6843
55°	6213	6281	7074
60°	5920	6440	7215
65°	5631	6641	7152
70°	5262	6784	6799
75°	4723	6582	6090
80°	4135	5587	4523
85°	3103	2955	1910



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	547.2	3.6
10°-20°	1505.6	9.8
20°-30°	2190.3	14.3
30°-40°	2561.8	16.7
40°-50°	2633.3	17.1
50°-60°	2449.8	16.0
60°-70°	1992.7	13.0
70°-80°	1207.0	7.9
80°-90°	270.4	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°	4243.1	27.6
0°-40°	6804.9	44.3
0°-60°	11888.0	77.4
0°-90°	15358.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15358.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5871	5871	5871	5871	5871	
5°	5877	5842	5763	5774	5743	558
15°	5620	5500	5281	5202	5158	1585
25°	5121	4904	4655	4609	4570	2356
35°	4406	4172	3982	4007	4006	2756
45°	3574	3344	3302	3447	3499	2752
55°	2648	2503	2677	2950	3016	2370
65°	1769	1736	2086	2252	2246	1751
75°	909	1081	1266	1210	1172	973
85°	201	276	191	139	124	246
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5871.0	5871.0	5871.0	5871.0	5871.0
2.5°	5902.0	5874.9	5816.9	5849.8	5836.2
5°	5876.8	5842.0	5762.8	5774.4	5743.4
7.5°	5840.1	5789.8	5675.8	5652.6	5625.5
10°	5782.1	5708.6	5557.8	5521.1	5470.9
12.5°	5710.6	5615.8	5426.4	5360.7	5314.3
15°	5619.7	5499.9	5281.4	5202.1	5157.7
17.5°	5521.1	5372.3	5130.6	5049.4	5003.0
20°	5399.3	5229.2	4968.2	4900.6	4873.5
22.5°	5264.0	5068.8	4817.4	4757.5	4726.6
25°	5121.0	4904.4	4655.1	4608.7	4570.0
27.5°	4952.8	4732.4	4490.7	4457.9	4430.8
30°	4784.6	4558.4	4328.4	4305.2	4293.6
32.5°	4606.7	4361.2	4158.2	4154.4	4148.6
35°	4405.7	4171.8	3982.3	4007.4	4005.5
37.5°	4210.4	3970.7	3816.1	3860.5	3870.2
40°	3995.9	3761.9	3638.2	3713.6	3740.7
42.5°	3785.1	3560.9	3472.0	3574.4	3618.9
45°	3574.4	3344.4	3301.8	3446.8	3499.0
47.5°	3344.4	3137.5	3141.4	3327.0	3388.8
50°	3116.3	2922.9	2980.9	3197.5	3269.0
52.5°	2880.4	2714.2	2836.0	3071.8	3153.0
55°	2648.4	2503.4	2677.4	2950.0	3015.7
57.5°	2416.5	2300.5	2532.4	2793.4	2859.1
60°	2199.9	2099.4	2393.3	2631.0	2681.3
62.5°	1993.1	1911.9	2256.0	2453.2	2478.3
65°	1768.8	1736.0	2085.9	2252.1	2246.3
67.5°	1548.5	1556.2	1911.9	2020.2	2010.5
70°	1337.7	1399.6	1724.4	1768.8	1728.2
72.5°	1121.2	1237.2	1505.9	1502.1	1461.5
75°	908.6	1080.6	1266.2	1210.2	1171.5
77.5°	724.9	912.5	1005.2	927.9	866.1
80°	533.6	730.7	721.1	634.1	583.8
82.5°	349.9	508.4	446.6	359.6	336.4
85°	201.0	276.4	191.4	139.2	123.7
87.5°	85.1	73.5	48.3	44.5	40.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)