

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-TS-200-HE-L830**

Issue Date: 3/3/2020



**Test Information**

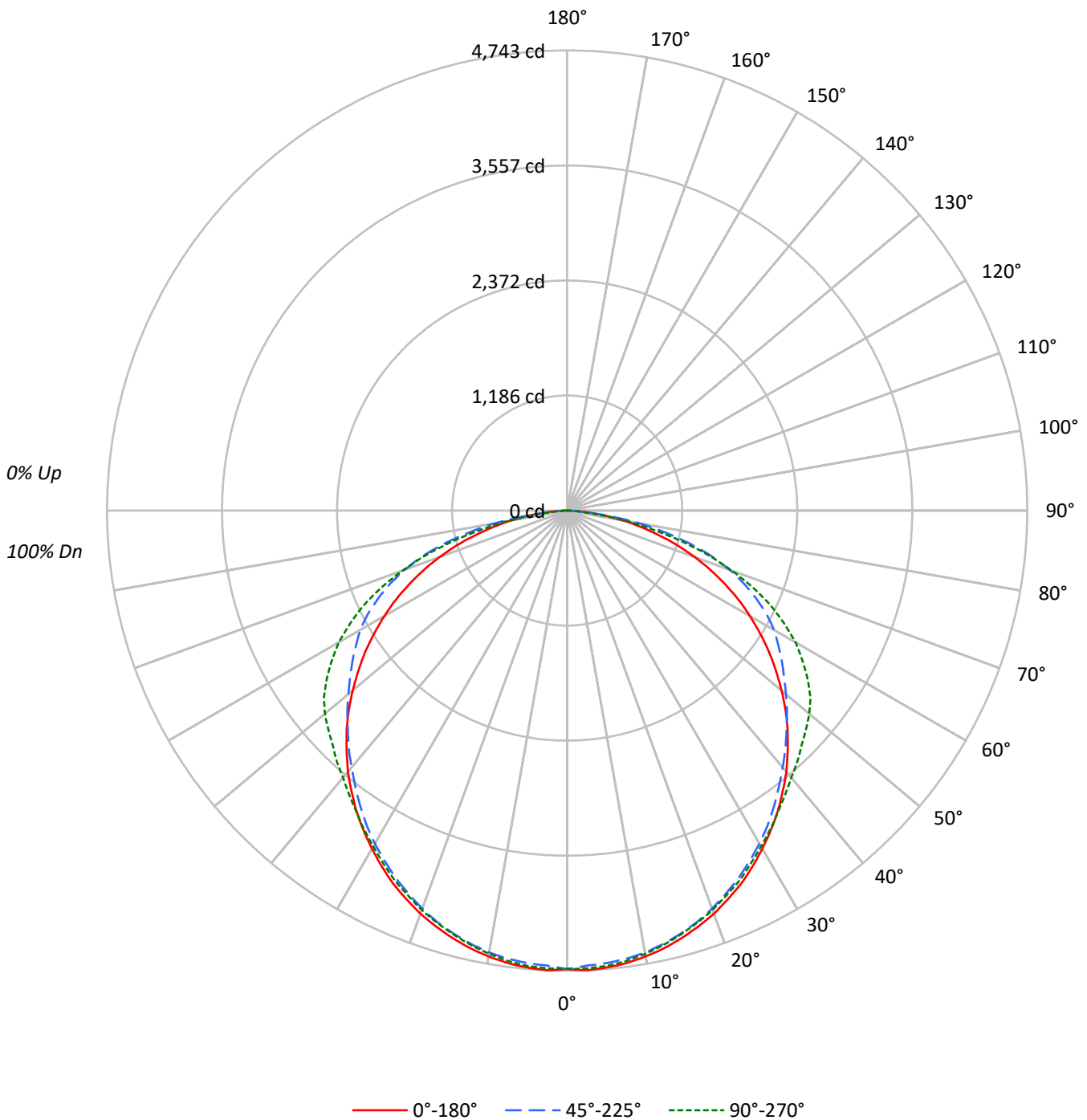
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-200-HE-L830  
Description: 8ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14547.7 lumens  
Efficiency: N/A  
Efficacy: 237.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

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

	0°	45°	90°
0°	6358	6358	6358
5°	6386	6324	6361
10°	6376	6320	6337
15°	6355	6291	6302
20°	6331	6251	6273
25°	6300	6205	6243
30°	6252	6157	6209
35°	6217	6108	6225
40°	6173	6070	6312
45°	6115	6081	6503
50°	6039	6162	6823
55°	5961	6337	7097
60°	5857	6625	7318
65°	5713	6848	7376
70°	5495	6998	7089
75°	5061	6771	6333
80°	4482	5826	4858
85°	3226	2950	1928



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	447.5	3.1
10°-20°	1280.6	8.8
20°-30°	1939.1	13.3
30°-40°	2351.8	16.2
40°-50°	2515.9	17.3
50°-60°	2438.5	16.8
60°-70°	2042.3	14.0
70°-80°	1254.9	8.6
80°-90°	277.2	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°	3667.1	25.2
0°-40°	6018.9	41.4
0°-60°	10973.3	75.4
0°-90°	14547.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14547.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4725	4725	4725	4725	4725	
5°	4728	4718	4682	4712	4710	449
15°	4562	4552	4516	4537	4524	1288
25°	4244	4218	4180	4208	4205	1954
35°	3785	3736	3718	3782	3790	2367
45°	3214	3145	3196	3359	3418	2478
55°	2541	2472	2702	2969	3025	2268
65°	1794	1784	2151	2296	2317	1774
75°	974	1137	1302	1246	1218	1036
85°	209	280	191	132	125	263
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4725.2	4725.2	4725.2	4725.2	4725.2
2.5°	4743.1	4730.3	4694.6	4725.2	4722.7
5°	4727.8	4717.6	4681.9	4712.5	4709.9
7.5°	4704.8	4694.6	4659.0	4689.5	4681.9
10°	4666.6	4659.0	4625.8	4648.8	4638.6
12.5°	4620.7	4613.1	4574.8	4600.3	4587.6
15°	4562.1	4551.9	4516.2	4536.6	4523.9
17.5°	4495.8	4483.1	4447.4	4467.8	4455.1
20°	4421.9	4404.1	4365.9	4393.9	4381.1
22.5°	4332.7	4320.0	4274.1	4304.7	4291.9
25°	4243.5	4218.0	4179.8	4207.8	4205.3
27.5°	4136.5	4111.0	4072.8	4105.9	4100.8
30°	4024.3	3996.3	3963.2	3996.3	3996.3
32.5°	3907.1	3871.4	3845.9	3884.2	3896.9
35°	3784.8	3736.3	3718.5	3782.2	3789.9
37.5°	3649.7	3601.3	3586.0	3670.1	3690.5
40°	3514.6	3453.4	3456.0	3563.0	3593.6
42.5°	3364.2	3303.1	3331.1	3456.0	3512.1
45°	3213.9	3145.0	3196.0	3359.1	3417.8
47.5°	3055.8	2989.6	3073.7	3264.8	3338.7
50°	2885.1	2818.8	2943.7	3175.6	3259.7
52.5°	2711.8	2643.0	2818.8	3083.9	3160.3
55°	2541.0	2472.2	2701.6	2969.2	3025.3
57.5°	2357.5	2298.9	2579.2	2818.8	2874.9
60°	2176.6	2125.6	2462.0	2665.9	2719.4
62.5°	1990.5	1952.3	2319.3	2490.0	2520.6
65°	1794.3	1784.1	2151.1	2296.3	2316.7
67.5°	1598.0	1623.5	1977.8	2072.1	2074.6
70°	1396.7	1465.5	1779.0	1819.7	1801.9
72.5°	1192.8	1312.6	1559.8	1539.4	1524.1
75°	973.6	1136.7	1302.4	1246.3	1218.3
77.5°	774.8	958.3	1027.1	948.1	904.8
80°	578.5	757.0	751.9	649.9	627.0
82.5°	389.9	527.6	451.1	367.0	321.1
85°	209.0	280.4	191.1	132.5	124.9
87.5°	79.0	66.3	51.0	45.9	45.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)