

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-150-HE-L840**

Issue Date: 3/3/2020



**Test Information**

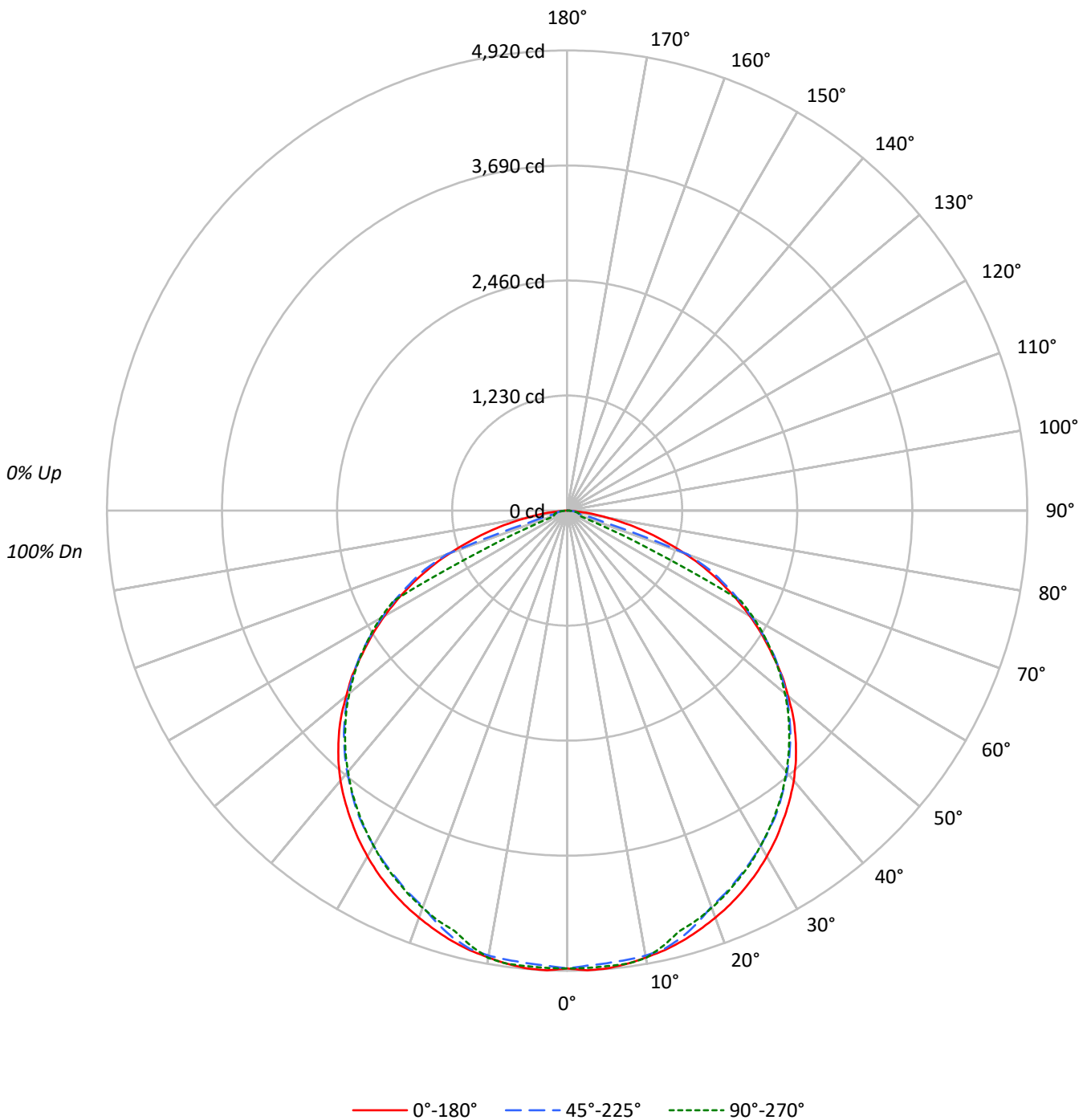
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-150-HE-L840  
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 4000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13476.3 lumens  
Efficiency: N/A  
Efficacy: 304.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.2  
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°	6587	6587	6587
5°	6637	6561	6603
10°	6628	6603	6637
15°	6636	6584	6479
20°	6633	6454	6472
25°	6636	6432	6451
30°	6634	6430	6430
35°	6623	6439	6418
40°	6621	6424	6402
45°	6578	6424	6388
50°	6451	6412	6360
55°	6277	6336	6306
60°	6073	6141	6208
65°	5752	5911	3125
70°	5263	5386	590
75°	4518	650	715
80°	3391	823	823
85°	1737	868	772



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.1	3.5
10°-20°	1332.3	9.9
20°-30°	2025.3	15.0
30°-40°	2467.1	18.3
40°-50°	2610.6	19.4
50°-60°	2394.6	17.8
60°-70°	1615.1	12.0
70°-80°	488.1	3.6
80°-90°	78.1	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°	3822.7	28.4
0°-40°	6289.8	46.7
0°-60°	11294.9	83.8
0°-90°	13476.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13476.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4895	4895	4895	4895	4895	
5°	4914	4876	4858	4902	4889	467
15°	4764	4739	4726	4689	4651	1345
25°	4470	4464	4332	4376	4345	2061
35°	4032	3945	3920	3932	3907	2525
45°	3457	3376	3376	3382	3357	2662
55°	2676	2638	2701	2701	2688	2395
65°	1807	1782	1857	1882	982	1784
75°	869	875	125	138	138	921
85°	112	56	56	50	50	172
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4895.3	4895.3	4895.3	4895.3	4895.3
2.5°	4920.3	4882.6	4870.3	4901.5	4895.3
5°	4914.0	4876.5	4857.6	4901.5	4889.0
7.5°	4889.0	4851.4	4845.3	4895.3	4889.0
10°	4851.4	4826.4	4832.6	4876.5	4857.6
12.5°	4813.9	4788.9	4801.4	4788.9	4763.9
15°	4763.9	4738.9	4726.4	4688.9	4651.4
17.5°	4701.4	4688.9	4626.4	4613.9	4595.2
20°	4632.6	4632.6	4507.5	4545.2	4520.2
22.5°	4557.5	4557.5	4426.3	4463.8	4438.8
25°	4470.2	4463.8	4332.5	4376.3	4345.1
27.5°	4376.3	4345.1	4238.8	4276.3	4251.3
30°	4270.1	4213.8	4138.7	4163.7	4138.7
32.5°	4157.4	4076.2	4032.4	4051.2	4026.2
35°	4032.4	3945.0	3920.0	3932.3	3907.3
37.5°	3907.3	3813.6	3788.6	3807.3	3782.3
40°	3769.9	3682.3	3657.3	3669.9	3644.9
42.5°	3619.9	3544.9	3519.9	3526.1	3507.2
45°	3457.2	3376.0	3376.0	3382.2	3357.2
47.5°	3282.2	3213.5	3219.8	3226.0	3207.1
50°	3082.1	3032.1	3063.4	3069.7	3038.4
52.5°	2894.7	2844.7	2882.0	2894.7	2869.7
55°	2675.8	2638.3	2700.8	2700.8	2688.3
57.5°	2469.6	2431.9	2494.6	2519.6	2500.7
60°	2256.8	2219.5	2281.9	2325.7	2306.9
62.5°	2031.8	2000.6	2075.6	2131.8	2094.4
65°	1806.7	1781.7	1856.7	1881.7	981.5
67.5°	1575.5	1556.6	1644.3	594.0	156.2
70°	1337.9	1319.2	1369.2	150.0	150.0
72.5°	1094.1	1100.3	437.6	143.9	143.9
75°	869.1	875.3	125.0	137.5	137.5
77.5°	644.0	656.4	118.9	125.0	125.0
80°	437.6	318.9	106.2	106.2	106.2
82.5°	262.6	75.0	81.2	81.2	75.0
85°	112.5	56.2	56.2	50.0	50.0
87.5°	37.5	25.0	25.0	18.8	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)