

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-150-HE-L840**

Issue Date: 3/3/2020



**Test Information**

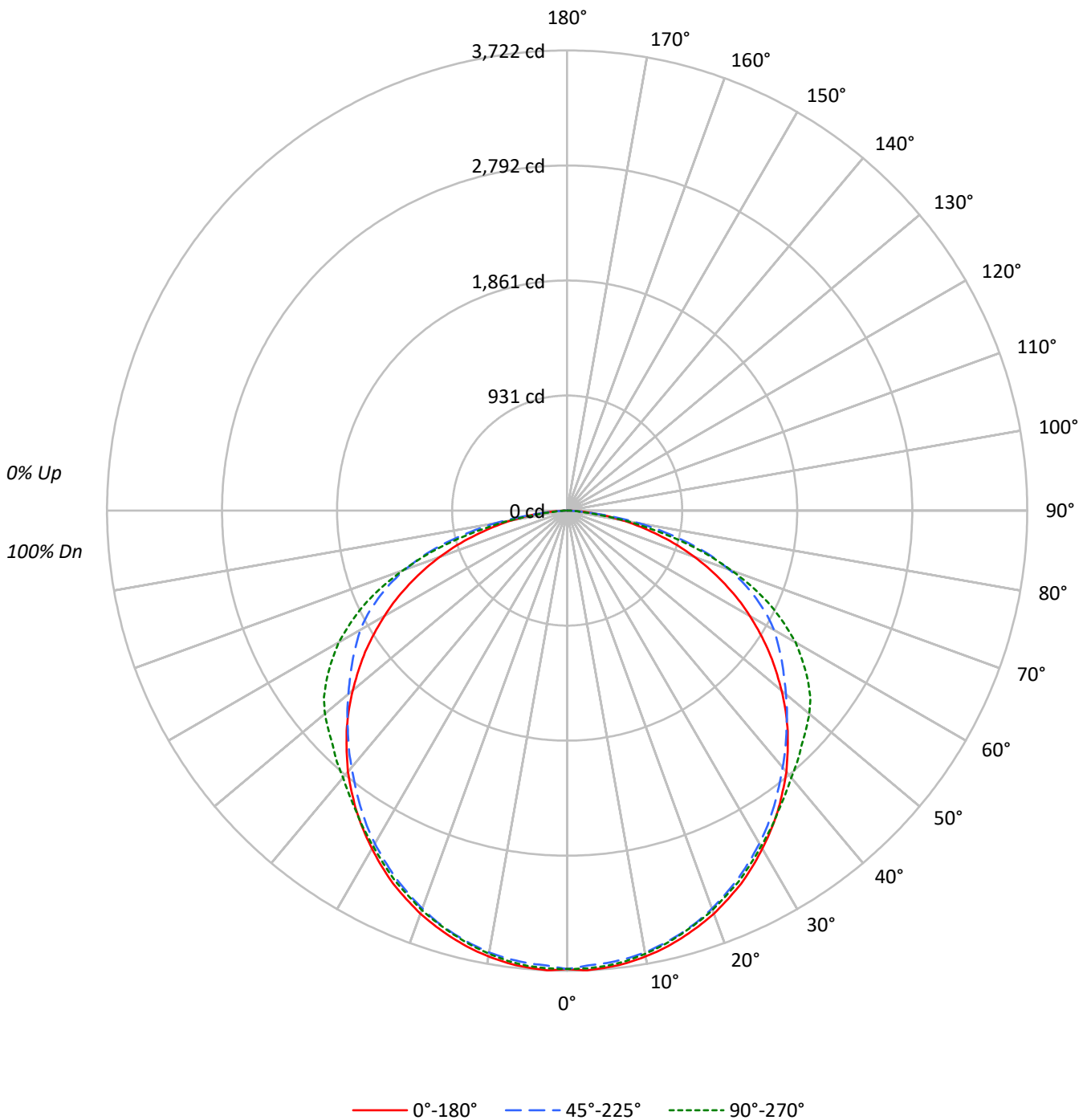
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-150-HE-L840  
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 4000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11415.9 lumens  
Efficiency: N/A  
Efficacy: 258.3 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): 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	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°	4989	4989	4989
5°	5011	4962	4992
10°	5003	4959	4973
15°	4987	4937	4945
20°	4968	4905	4923
25°	4944	4869	4899
30°	4906	4832	4872
35°	4878	4793	4885
40°	4844	4763	4953
45°	4799	4772	5103
50°	4739	4835	5354
55°	4678	4973	5569
60°	4596	5199	5743
65°	4483	5374	5788
70°	4312	5492	5563
75°	3972	5313	4970
80°	3518	4572	3812
85°	2532	2316	1513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.1	3.1
10°-20°	1004.9	8.8
20°-30°	1521.6	13.3
30°-40°	1845.5	16.2
40°-50°	1974.3	17.3
50°-60°	1913.6	16.8
60°-70°	1602.6	14.0
70°-80°	984.8	8.6
80°-90°	217.5	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°	2877.7	25.2
0°-40°	4723.2	41.4
0°-60°	8611.0	75.4
0°-90°	11415.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11415.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3708	3708	3708	3708	3708	
5°	3710	3702	3674	3698	3696	353
15°	3580	3572	3544	3560	3550	1011
25°	3330	3310	3280	3302	3300	1534
35°	2970	2932	2918	2968	2974	1857
45°	2522	2468	2508	2636	2682	1945
55°	1994	1940	2120	2330	2374	1780
65°	1408	1400	1688	1802	1818	1392
75°	764	892	1022	978	956	813
85°	164	220	150	104	98	206
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3708	3708	3708	3708	3708
2.5°	3722	3712	3684	3708	3706
5°	3710	3702	3674	3698	3696
7.5°	3692	3684	3656	3680	3674
10°	3662	3656	3630	3648	3640
12.5°	3626	3620	3590	3610	3600
15°	3580	3572	3544	3560	3550
17.5°	3528	3518	3490	3506	3496
20°	3470	3456	3426	3448	3438
22.5°	3400	3390	3354	3378	3368
25°	3330	3310	3280	3302	3300
27.5°	3246	3226	3196	3222	3218
30°	3158	3136	3110	3136	3136
32.5°	3066	3038	3018	3048	3058
35°	2970	2932	2918	2968	2974
37.5°	2864	2826	2814	2880	2896
40°	2758	2710	2712	2796	2820
42.5°	2640	2592	2614	2712	2756
45°	2522	2468	2508	2636	2682
47.5°	2398	2346	2412	2562	2620
50°	2264	2212	2310	2492	2558
52.5°	2128	2074	2212	2420	2480
55°	1994	1940	2120	2330	2374
57.5°	1850	1804	2024	2212	2256
60°	1708	1668	1932	2092	2134
62.5°	1562	1532	1820	1954	1978
65°	1408	1400	1688	1802	1818
67.5°	1254	1274	1552	1626	1628
70°	1096	1150	1396	1428	1414
72.5°	936	1030	1224	1208	1196
75°	764	892	1022	978	956
77.5°	608	752	806	744	710
80°	454	594	590	510	492
82.5°	306	414	354	288	252
85°	164	220	150	104	98
87.5°	62	52	40	36	36
90°	0	0	0	0	0

(END OF REPORT)