

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-L835**

Issue Date: 3/3/2020



**Test Information**

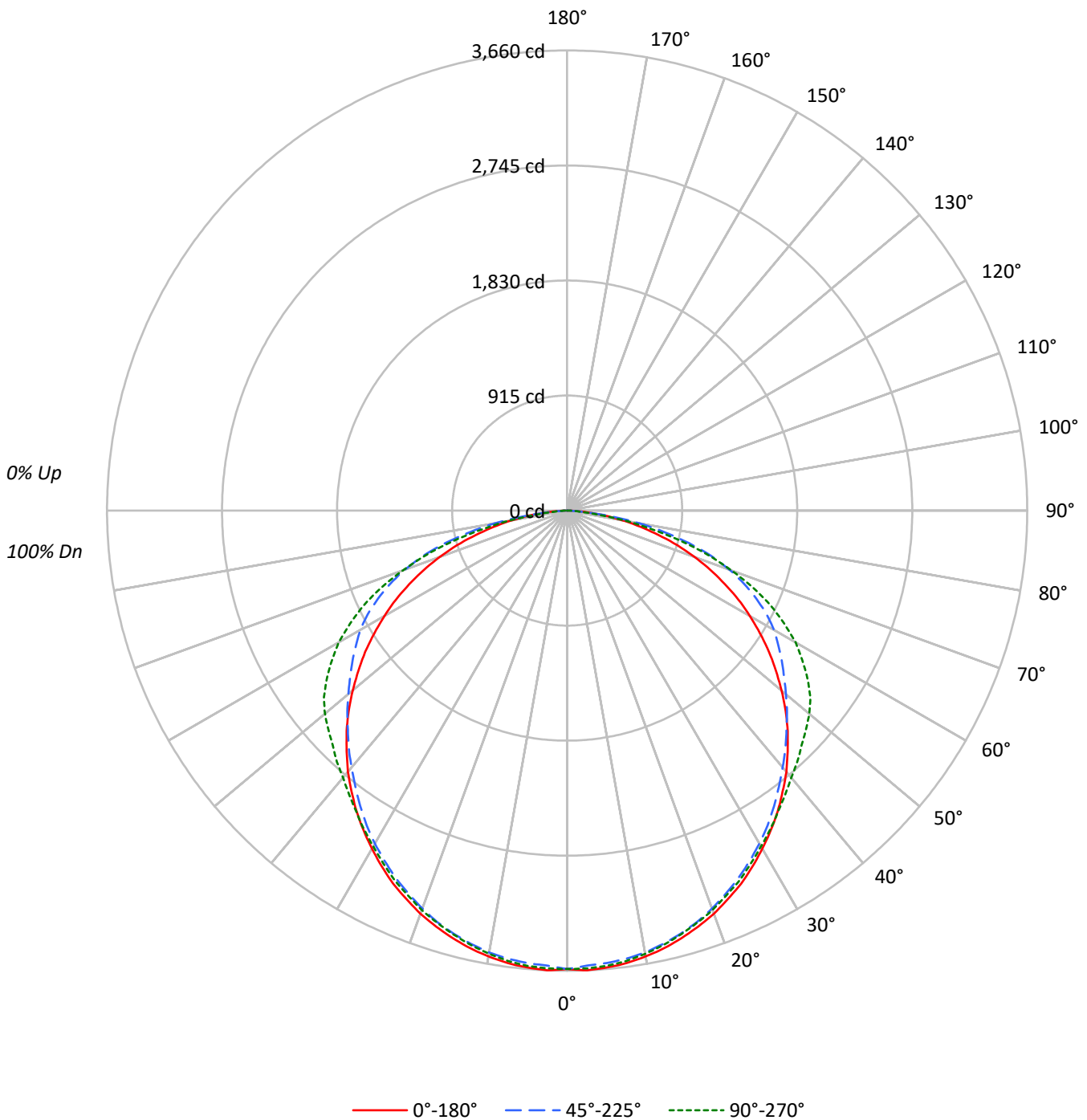
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-150-HE-L835  
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11225.7 lumens  
Efficiency: N/A  
Efficacy: 254.0 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°	4906	4906	4906
5°	4927	4880	4909
10°	4920	4877	4890
15°	4904	4854	4863
20°	4886	4824	4841
25°	4861	4788	4817
30°	4825	4751	4791
35°	4797	4713	4803
40°	4763	4684	4871
45°	4719	4693	5018
50°	4660	4755	5265
55°	4600	4890	5476
60°	4519	5112	5647
65°	4408	5285	5691
70°	4240	5400	5470
75°	3906	5225	4887
80°	3459	4496	3749
85°	2490	2277	1488



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.3	3.1
10°-20°	988.1	8.8
20°-30°	1496.3	13.3
30°-40°	1814.8	16.2
40°-50°	1941.4	17.3
50°-60°	1881.7	16.8
60°-70°	1575.9	14.0
70°-80°	968.4	8.6
80°-90°	213.9	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°	2829.7	25.2
0°-40°	4644.5	41.4
0°-60°	8467.5	75.4
0°-90°	11225.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11225.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3646	3646	3646	3646	3646	
5°	3648	3640	3613	3636	3634	347
15°	3520	3512	3485	3501	3491	994
25°	3274	3255	3225	3247	3245	1508
35°	2920	2883	2869	2918	2924	1826
45°	2480	2427	2466	2592	2637	1912
55°	1961	1908	2085	2291	2334	1750
65°	1384	1377	1660	1772	1788	1369
75°	751	877	1005	962	940	799
85°	161	216	148	102	96	203
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3646.2	3646.2	3646.2	3646.2	3646.2
2.5°	3660.0	3650.1	3622.6	3646.2	3644.2
5°	3648.2	3640.3	3612.8	3636.4	3634.4
7.5°	3630.5	3622.6	3595.1	3618.7	3612.8
10°	3601.0	3595.1	3569.5	3587.2	3579.3
12.5°	3565.6	3559.7	3530.2	3549.8	3540.0
15°	3520.3	3512.5	3484.9	3500.7	3490.8
17.5°	3469.2	3459.4	3431.8	3447.6	3437.7
20°	3412.2	3398.4	3368.9	3390.5	3380.7
22.5°	3343.3	3333.5	3298.1	3321.7	3311.9
25°	3274.5	3254.8	3225.3	3247.0	3245.0
27.5°	3191.9	3172.2	3142.7	3168.3	3164.4
30°	3105.4	3083.7	3058.2	3083.7	3083.7
32.5°	3014.9	2987.4	2967.7	2997.2	3007.0
35°	2920.5	2883.1	2869.4	2918.5	2924.4
37.5°	2816.3	2778.9	2767.1	2832.0	2847.7
40°	2712.0	2664.8	2666.8	2749.4	2773.0
42.5°	2596.0	2548.8	2570.4	2666.8	2710.1
45°	2480.0	2426.9	2466.2	2592.1	2637.3
47.5°	2358.0	2306.9	2371.8	2519.3	2576.3
50°	2226.3	2175.1	2271.5	2450.5	2515.4
52.5°	2092.5	2039.4	2175.1	2379.7	2438.7
55°	1960.8	1907.7	2084.7	2291.2	2334.4
57.5°	1819.2	1773.9	1990.3	2175.1	2218.4
60°	1679.5	1640.2	1899.8	2057.1	2098.4
62.5°	1536.0	1506.5	1789.7	1921.4	1945.0
65°	1384.5	1376.7	1659.9	1772.0	1787.7
67.5°	1233.1	1252.8	1526.1	1598.9	1600.9
70°	1077.7	1130.8	1372.7	1404.2	1390.4
72.5°	920.4	1012.8	1203.6	1187.9	1176.1
75°	751.3	877.1	1005.0	961.7	940.1
77.5°	597.9	739.5	792.6	731.6	698.2
80°	446.4	584.1	580.2	501.5	483.8
82.5°	300.9	407.1	348.1	283.2	247.8
85°	161.3	216.3	147.5	102.3	96.4
87.5°	61.0	51.1	39.3	35.4	35.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)