

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-L930**

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-L930
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

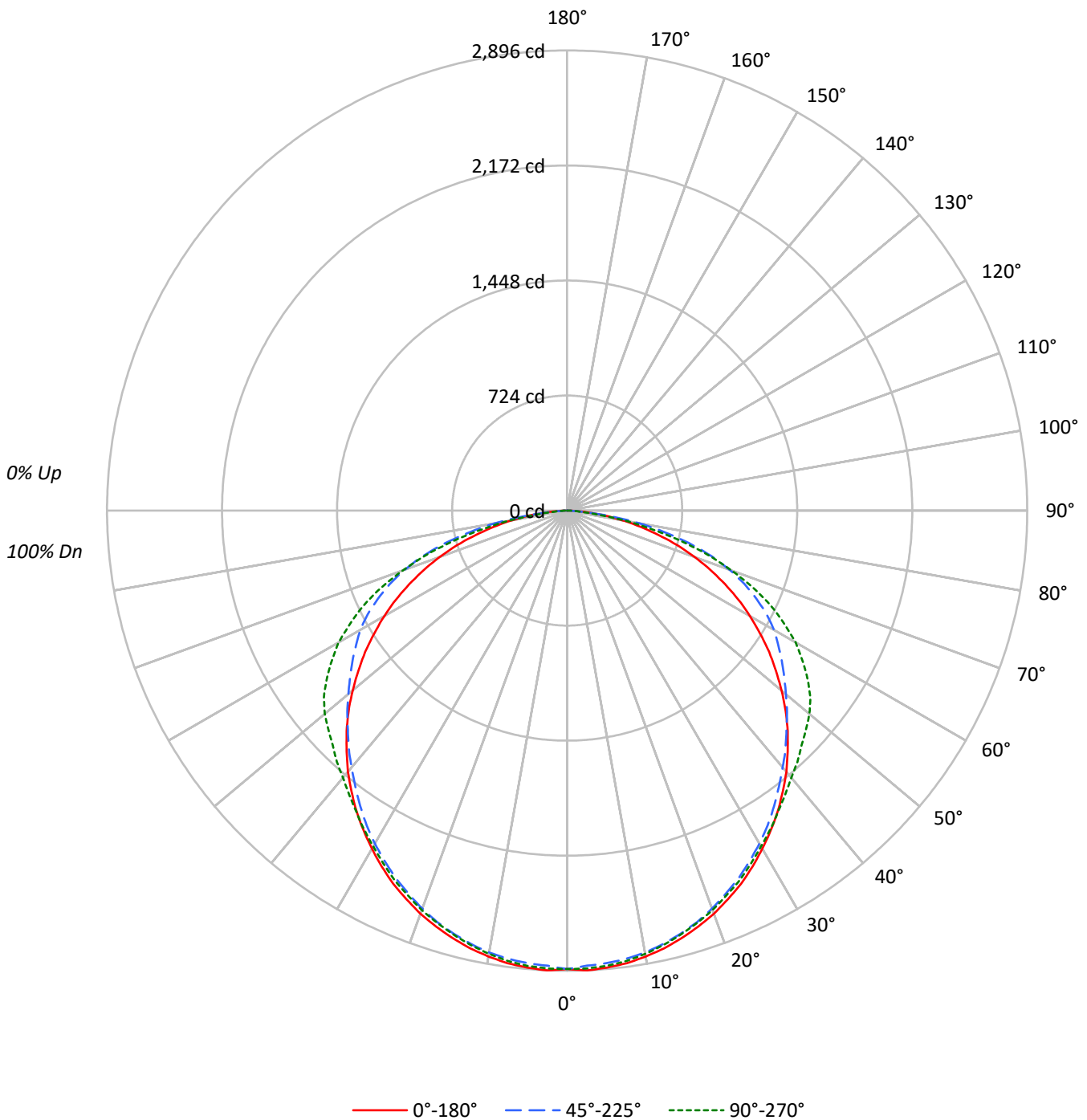
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8883.4 lumens
Efficiency: N/A
Efficacy: 201.0 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°	3882	3882	3882
5°	3899	3861	3885
10°	3893	3859	3870
15°	3880	3841	3848
20°	3866	3817	3831
25°	3847	3789	3812
30°	3818	3760	3791
35°	3796	3730	3801
40°	3770	3707	3854
45°	3734	3714	3971
50°	3688	3763	4167
55°	3640	3870	4333
60°	3577	4046	4469
65°	3488	4182	4504
70°	3355	4273	4329
75°	3091	4134	3867
80°	2737	3557	2967
85°	1970	1802	1178



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	3.1
10°-20°	782.0	8.8
20°-30°	1184.1	13.3
30°-40°	1436.1	16.2
40°-50°	1536.3	17.3
50°-60°	1489.0	16.8
60°-70°	1247.1	14.0
70°-80°	766.3	8.6
80°-90°	169.2	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°	2239.3	25.2
0°-40°	3675.4	41.4
0°-60°	6700.7	75.4
0°-90°	8883.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8883.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2885	2885	2885	2885	2885	
5°	2887	2881	2859	2878	2876	274
15°	2786	2780	2758	2770	2762	786
25°	2591	2576	2552	2570	2568	1193
35°	2311	2282	2271	2310	2314	1445
45°	1962	1920	1952	2051	2087	1513
55°	1552	1510	1650	1813	1847	1385
65°	1096	1089	1314	1402	1415	1083
75°	594	694	795	761	744	633
85°	128	171	117	81	76	161
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2885.4	2885.4	2885.4	2885.4	2885.4
2.5°	2896.3	2888.5	2866.7	2885.4	2883.9
5°	2887.0	2880.7	2859.0	2877.6	2876.1
7.5°	2873.0	2866.7	2844.9	2863.6	2859.0
10°	2849.6	2844.9	2824.7	2838.7	2832.5
12.5°	2821.6	2816.9	2793.6	2809.2	2801.4
15°	2785.8	2779.6	2757.8	2770.2	2762.5
17.5°	2745.3	2737.6	2715.8	2728.2	2720.4
20°	2700.2	2689.3	2666.0	2683.1	2675.3
22.5°	2645.7	2638.0	2609.9	2628.6	2620.8
25°	2591.3	2575.7	2552.4	2569.5	2567.9
27.5°	2525.9	2510.3	2487.0	2507.2	2504.1
30°	2457.4	2440.3	2420.1	2440.3	2440.3
32.5°	2385.8	2364.0	2348.5	2371.8	2379.6
35°	2311.1	2281.6	2270.7	2309.6	2314.2
37.5°	2228.6	2199.1	2189.7	2241.1	2253.5
40°	2146.2	2108.8	2110.4	2175.7	2194.4
42.5°	2054.3	2017.0	2034.1	2110.4	2144.6
45°	1962.5	1920.5	1951.6	2051.2	2087.0
47.5°	1866.0	1825.6	1876.9	1993.6	2038.8
50°	1761.8	1721.3	1797.5	1939.2	1990.5
52.5°	1655.9	1613.9	1721.3	1883.1	1929.8
55°	1551.6	1509.6	1649.7	1813.1	1847.3
57.5°	1439.6	1403.8	1575.0	1721.3	1755.5
60°	1329.1	1298.0	1503.4	1627.9	1660.6
62.5°	1215.5	1192.1	1416.2	1520.5	1539.2
65°	1095.6	1089.4	1313.5	1402.2	1414.7
67.5°	975.8	991.4	1207.7	1265.3	1266.8
70°	852.9	894.9	1086.3	1111.2	1100.3
72.5°	728.4	801.5	952.5	940.0	930.7
75°	594.5	694.1	795.3	761.0	743.9
77.5°	473.1	585.2	627.2	578.9	552.5
80°	353.3	462.2	459.1	396.9	382.9
82.5°	238.1	322.2	275.5	224.1	196.1
85°	127.6	171.2	116.7	80.9	76.3
87.5°	48.2	40.5	31.1	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)