

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: **6RSRK-TS-150-HE-L930**

Issue Date: 3/3/2020



**Test Information**

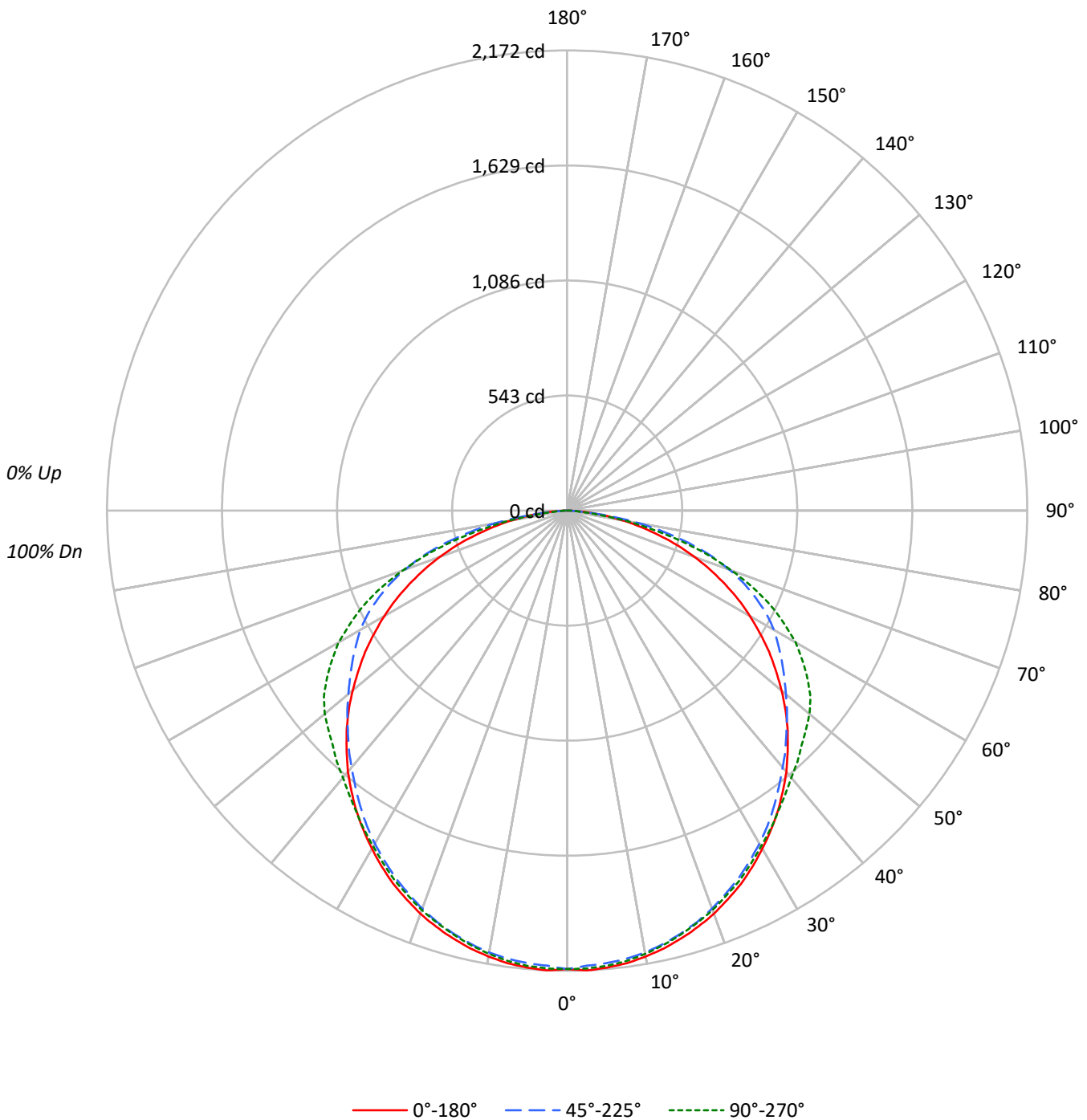
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-150-HE-L930  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6662.5 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 6' 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

TEST NUMBER: P#  
CATALOG NUMBER: 6RSRK-TS-150-HE-L930

### 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°	3881	3841	3848
20°	3866	3817	3831
25°	3847	3789	3812
30°	3818	3760	3791
35°	3796	3730	3801
40°	3769	3707	3854
45°	3734	3714	3971
50°	3688	3763	4167
55°	3640	3870	4333
60°	3576	4046	4468
65°	3488	4182	4504
70°	3355	4273	4328
75°	3091	4135	3867
80°	2738	3557	2966
85°	1970	1801	1177



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.9	3.1
10°-20°	586.5	8.8
20°-30°	888.1	13.3
30°-40°	1077.1	16.2
40°-50°	1152.2	17.3
50°-60°	1116.8	16.8
60°-70°	935.3	14.0
70°-80°	574.7	8.6
80°-90°	126.9	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°	1679.5	25.2
0°-40°	2756.5	41.4
0°-60°	5025.6	75.4
0°-90°	6662.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6662.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2164	2164	2164	2164	2164	
5°	2165	2161	2144	2158	2157	206
15°	2089	2085	2068	2078	2072	590
25°	1944	1932	1914	1927	1926	895
35°	1733	1711	1703	1732	1736	1084
45°	1472	1440	1464	1538	1565	1135
55°	1164	1132	1237	1360	1386	1039
65°	822	817	985	1052	1061	813
75°	446	521	596	571	558	474
85°	96	128	88	61	57	120
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2164.1	2164.1	2164.1	2164.1	2164.1
2.5°	2172.2	2166.4	2150.1	2164.1	2162.9
5°	2165.2	2160.6	2144.2	2158.2	2157.1
7.5°	2154.7	2150.1	2133.7	2147.7	2144.2
10°	2137.2	2133.7	2118.5	2129.0	2124.4
12.5°	2116.2	2112.7	2095.2	2106.9	2101.0
15°	2089.4	2084.7	2068.3	2077.7	2071.8
17.5°	2059.0	2053.2	2036.8	2046.2	2040.3
20°	2025.2	2017.0	1999.5	2012.3	2006.5
22.5°	1984.3	1978.5	1957.5	1971.5	1965.6
25°	1943.5	1931.8	1914.3	1927.1	1925.9
27.5°	1894.4	1882.8	1865.2	1880.4	1878.1
30°	1843.1	1830.2	1815.1	1830.2	1830.2
32.5°	1789.4	1773.0	1761.4	1778.9	1784.7
35°	1733.3	1711.2	1703.0	1732.2	1735.7
37.5°	1671.5	1649.3	1642.3	1680.8	1690.2
40°	1609.6	1581.6	1582.8	1631.8	1645.8
42.5°	1540.8	1512.7	1525.6	1582.8	1608.5
45°	1471.9	1440.4	1463.7	1538.4	1565.3
47.5°	1399.5	1369.2	1407.7	1495.2	1529.1
50°	1321.3	1291.0	1348.2	1454.4	1492.9
52.5°	1241.9	1210.4	1291.0	1412.4	1447.4
55°	1163.7	1132.2	1237.3	1359.8	1385.5
57.5°	1079.7	1052.8	1181.2	1291.0	1316.6
60°	996.8	973.5	1127.6	1220.9	1245.4
62.5°	911.6	894.1	1062.2	1140.4	1154.4
65°	821.7	817.1	985.1	1051.7	1061.0
67.5°	731.9	743.5	905.8	949.0	950.1
70°	639.6	671.2	814.7	833.4	825.2
72.5°	546.3	601.1	714.3	705.0	698.0
75°	445.9	520.6	596.5	570.8	557.9
77.5°	354.8	438.9	470.4	434.2	414.4
80°	265.0	346.7	344.3	297.6	287.1
82.5°	178.6	241.6	206.6	168.1	147.1
85°	95.7	128.4	87.5	60.7	57.2
87.5°	36.2	30.3	23.3	21.0	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)