

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-L950**

Issue Date: 3/3/2020



**Test Information**

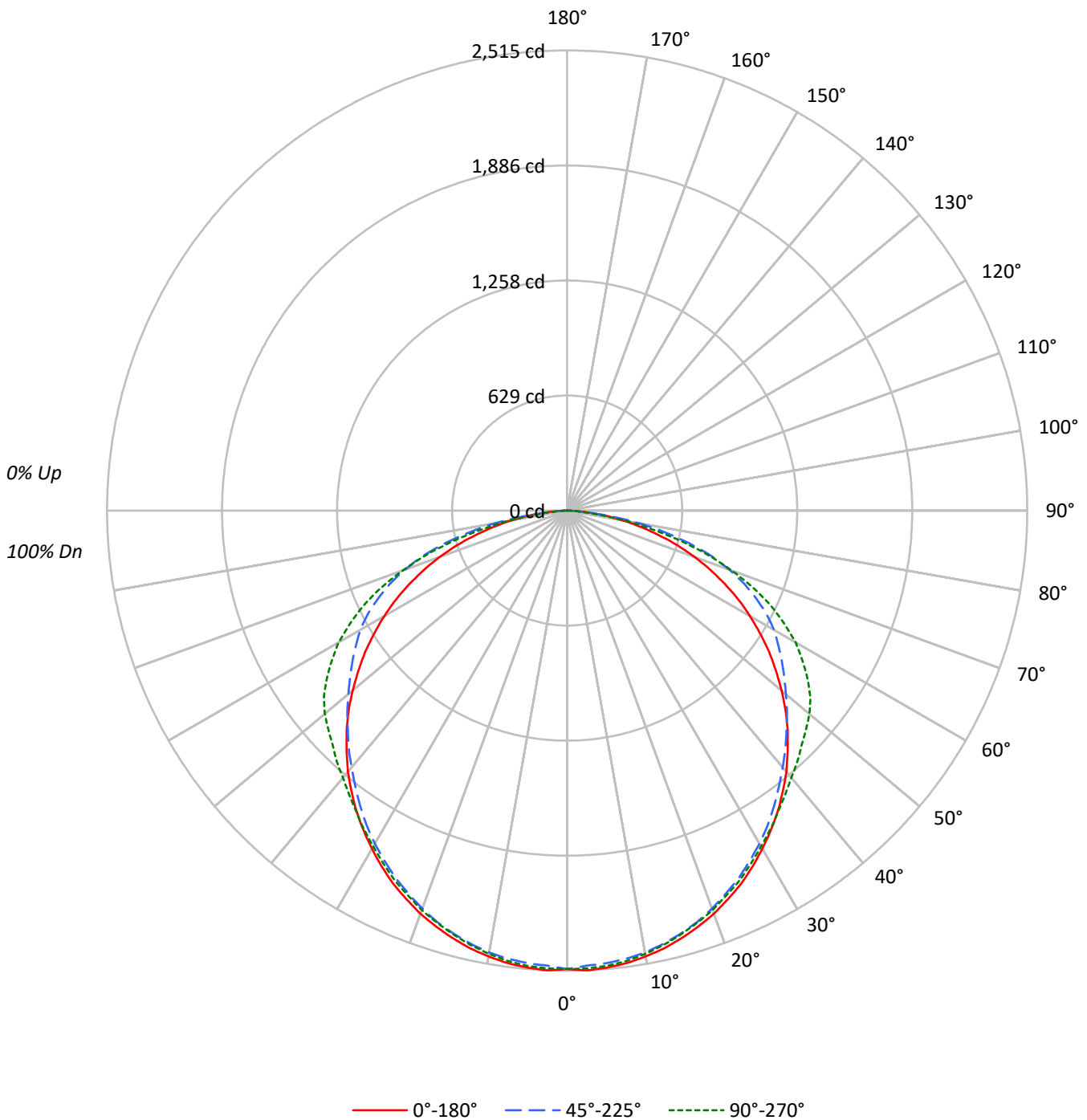
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-150-HE-L950  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7714.4 lumens  
Efficiency: N/A  
Efficacy: 174.5 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

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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°	4495	4495	4495
5°	4515	4471	4498
10°	4508	4469	4481
15°	4493	4448	4455
20°	4477	4420	4435
25°	4454	4387	4414
30°	4421	4353	4390
35°	4395	4319	4401
40°	4365	4292	4463
45°	4324	4300	4598
50°	4270	4357	4824
55°	4215	4481	5017
60°	4141	4684	5174
65°	4039	4842	5215
70°	3885	4948	5012
75°	3579	4787	4478
80°	3170	4119	3435
85°	2281	2087	1363



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.3	3.1
10°-20°	679.1	8.8
20°-30°	1028.2	13.3
30°-40°	1247.1	16.2
40°-50°	1334.1	17.3
50°-60°	1293.1	16.8
60°-70°	1083.0	14.0
70°-80°	665.5	8.6
80°-90°	147.0	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°	1944.6	25.2
0°-40°	3191.7	41.4
0°-60°	5819.0	75.4
0°-90°	7714.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7714.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2507	2502	2483	2499	2498	238
15°	2419	2414	2395	2406	2399	683
25°	2250	2237	2216	2231	2230	1036
35°	2007	1981	1972	2006	2010	1255
45°	1704	1668	1695	1781	1812	1314
55°	1348	1311	1433	1574	1604	1203
65°	952	946	1141	1218	1228	941
75°	516	603	691	661	646	549
85°	111	149	101	70	66	139
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2515.2	2508.4	2489.5	2505.7	2504.3
5°	2507.0	2501.6	2482.7	2498.9	2497.6
7.5°	2494.9	2489.5	2470.6	2486.8	2482.7
10°	2474.6	2470.6	2453.0	2465.2	2459.7
12.5°	2450.3	2446.2	2426.0	2439.5	2432.7
15°	2419.2	2413.8	2394.9	2405.7	2398.9
17.5°	2384.1	2377.3	2358.4	2369.2	2362.4
20°	2344.9	2335.4	2315.1	2330.0	2323.2
22.5°	2297.6	2290.8	2266.5	2282.7	2275.9
25°	2250.3	2236.7	2216.5	2231.3	2230.0
27.5°	2193.5	2180.0	2159.7	2177.3	2174.6
30°	2134.0	2119.2	2101.6	2119.2	2119.2
32.5°	2071.9	2052.9	2039.4	2059.7	2066.5
35°	2007.0	1981.3	1971.9	2005.6	2009.7
37.5°	1935.4	1909.7	1901.6	1946.2	1957.0
40°	1863.7	1831.3	1832.6	1889.4	1905.6
42.5°	1784.0	1751.6	1766.4	1832.6	1862.4
45°	1704.3	1667.8	1694.8	1781.3	1812.4
47.5°	1620.5	1585.3	1629.9	1731.3	1770.5
50°	1529.9	1494.8	1561.0	1684.0	1728.6
52.5°	1438.0	1401.5	1494.8	1635.3	1675.9
55°	1347.5	1311.0	1432.6	1574.5	1604.2
57.5°	1250.1	1219.1	1367.7	1494.8	1524.5
60°	1154.2	1127.2	1305.6	1413.7	1442.1
62.5°	1055.5	1035.3	1229.9	1320.4	1336.6
65°	951.5	946.1	1140.7	1217.7	1228.5
67.5°	847.4	860.9	1048.8	1098.8	1100.1
70°	740.6	777.1	943.4	965.0	955.5
72.5°	632.5	696.0	827.1	816.3	808.2
75°	516.3	602.8	690.6	660.9	646.0
77.5°	410.9	508.2	544.7	502.8	479.8
80°	306.8	401.4	398.7	344.6	332.5
82.5°	206.8	279.8	239.2	194.6	170.3
85°	110.8	148.7	101.4	70.3	66.2
87.5°	41.9	35.1	27.0	24.3	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)