

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: **4RSRK-TB-150-HE-L940**

Issue Date: 3/3/2020



**Test Information**

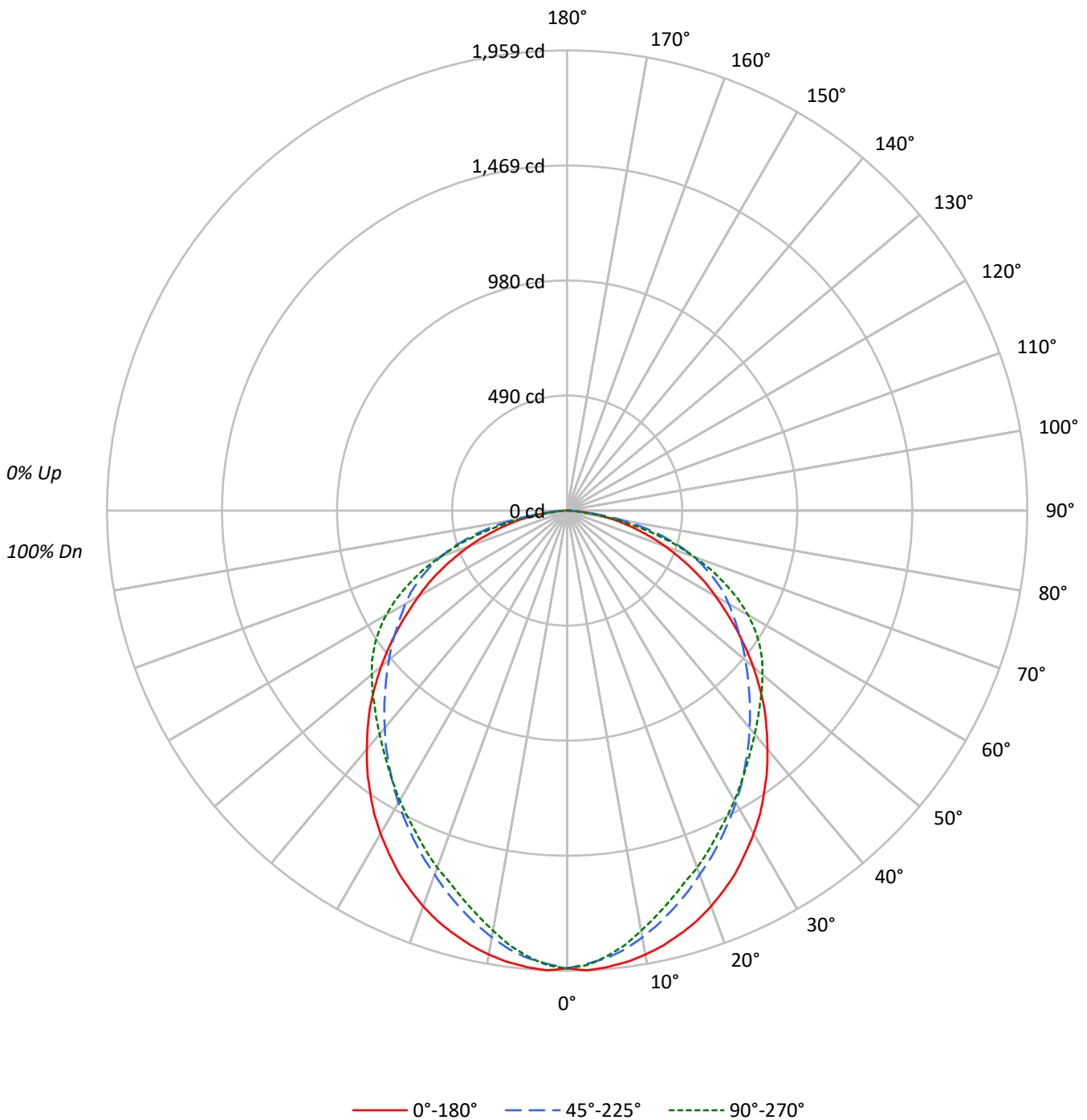
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TB-150-HE-L940  
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5098.0 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 4' 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: 4RSRK-TB-150-HE-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-150-HE-L940

**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	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					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5244	5244	5244
5°	5270	5167	5150
10°	5244	5041	4962
15°	5197	4884	4769
20°	5133	4723	4633
25°	5047	4588	4504
30°	4935	4465	4428
35°	4804	4343	4368
40°	4659	4242	4362
45°	4515	4171	4420
50°	4330	4142	4543
55°	4124	4169	4696
60°	3930	4275	4790
65°	3739	4409	4748
70°	3494	4504	4514
75°	3136	4370	4043
80°	2744	3710	3003
85°	2059	1961	1269



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-150-HE-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.6	3.6
10°-20°	499.8	9.8
20°-30°	727.1	14.3
30°-40°	850.4	16.7
40°-50°	874.1	17.1
50°-60°	813.2	16.0
60°-70°	661.5	13.0
70°-80°	400.7	7.9
80°-90°	89.8	1.8
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°	1408.5	27.6
0°-40°	2258.8	44.3
0°-60°	3946.1	77.4
0°-90°	5098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5098.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1949	1949	1949	1949	1949	
5°	1951	1939	1913	1917	1906	185
15°	1865	1826	1753	1727	1712	526
25°	1700	1628	1545	1530	1517	782
35°	1462	1385	1322	1330	1330	915
45°	1186	1110	1096	1144	1162	913
55°	879	831	889	979	1001	787
65°	587	576	692	748	746	581
75°	302	359	420	402	389	323
85°	67	92	64	46	41	81
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4RSRK-TB-150-HE-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1948.8	1948.8	1948.8	1948.8	1948.8
2.5°	1959.1	1950.1	1930.9	1941.8	1937.3
5°	1950.8	1939.2	1912.9	1916.7	1906.5
7.5°	1938.6	1921.9	1884.0	1876.3	1867.3
10°	1919.3	1894.9	1844.9	1832.7	1816.0
12.5°	1895.6	1864.1	1801.2	1779.4	1764.0
15°	1865.4	1825.6	1753.1	1726.8	1712.0
17.5°	1832.7	1783.3	1703.1	1676.1	1660.7
20°	1792.3	1735.8	1649.2	1626.7	1617.7
22.5°	1747.3	1682.5	1599.1	1579.2	1568.9
25°	1699.9	1628.0	1545.2	1529.8	1517.0
27.5°	1644.0	1570.9	1490.7	1479.8	1470.8
30°	1588.2	1513.1	1436.8	1429.1	1425.2
32.5°	1529.2	1447.7	1380.3	1379.0	1377.1
35°	1462.4	1384.8	1321.9	1330.2	1329.6
37.5°	1397.6	1318.0	1266.7	1281.5	1284.7
40°	1326.4	1248.7	1207.7	1232.7	1241.7
42.5°	1256.4	1182.0	1152.5	1186.5	1201.3
45°	1186.5	1110.1	1096.0	1144.1	1161.5
47.5°	1110.1	1041.5	1042.8	1104.4	1124.9
50°	1034.4	970.2	989.5	1061.4	1085.1
52.5°	956.1	900.9	941.4	1019.7	1046.6
55°	879.1	831.0	888.7	979.2	1001.0
57.5°	802.1	763.6	840.6	927.3	949.1
60°	730.3	696.9	794.4	873.3	890.0
62.5°	661.6	634.6	748.9	814.3	822.7
65°	587.2	576.2	692.4	747.6	745.7
67.5°	514.0	516.6	634.6	670.6	667.4
70°	444.1	464.6	572.4	587.2	573.7
72.5°	372.2	410.7	499.9	498.6	485.1
75°	301.6	358.7	420.3	401.7	388.9
77.5°	240.6	302.9	333.7	308.0	287.5
80°	177.1	242.6	239.4	210.5	193.8
82.5°	116.1	168.8	148.2	119.4	111.7
85°	66.7	91.8	63.5	46.2	41.1
87.5°	28.2	24.4	16.0	14.8	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)