

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-TS-150-HE-L935**

Issue Date: 3/3/2020



**Test Information**

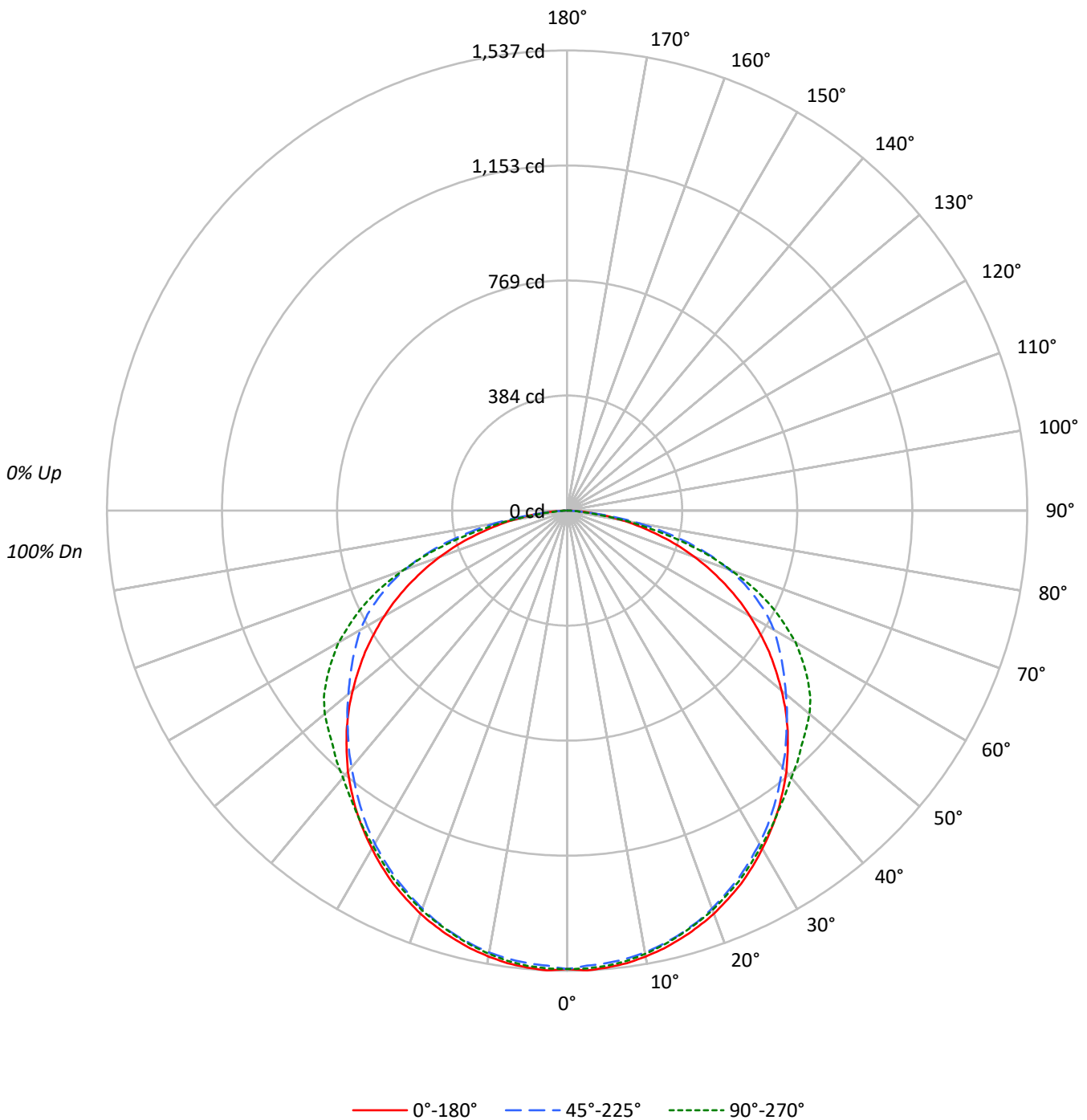
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TS-150-HE-L935  
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4714.8 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
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#  
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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°	4121	4121	4121
5°	4139	4099	4123
10°	4133	4097	4108
15°	4119	4078	4084
20°	4104	4052	4066
25°	4083	4022	4047
30°	4053	3991	4025
35°	4029	3959	4035
40°	4001	3935	4091
45°	3964	3942	4215
50°	3914	3994	4423
55°	3864	4108	4600
60°	3796	4294	4743
65°	3703	4439	4781
70°	3561	4536	4595
75°	3280	4389	4105
80°	2906	3777	3149
85°	2090	1911	1250



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.0	3.1
10°-20°	415.0	8.8
20°-30°	628.4	13.3
30°-40°	762.2	16.2
40°-50°	815.4	17.3
50°-60°	790.3	16.8
60°-70°	661.9	14.0
70°-80°	406.7	8.6
80°-90°	89.8	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°	1188.5	25.2
0°-40°	1950.7	41.4
0°-60°	3556.4	75.4
0°-90°	4714.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4714.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1531	1531	1531	1531	1531	
5°	1532	1529	1517	1527	1526	146
15°	1478	1475	1464	1470	1466	417
25°	1375	1367	1355	1364	1363	633
35°	1227	1211	1205	1226	1228	767
45°	1042	1019	1036	1089	1108	803
55°	824	801	876	962	980	735
65°	582	578	697	744	751	575
75°	316	368	422	404	395	336
85°	68	91	62	43	40	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1531.4	1531.4	1531.4	1531.4	1531.4
2.5°	1537.2	1533.1	1521.5	1531.4	1530.6
5°	1532.2	1528.9	1517.4	1527.3	1526.4
7.5°	1524.8	1521.5	1509.9	1519.8	1517.4
10°	1512.4	1509.9	1499.2	1506.6	1503.3
12.5°	1497.5	1495.1	1482.7	1490.9	1486.8
15°	1478.5	1475.2	1463.7	1470.3	1466.1
17.5°	1457.1	1452.9	1441.4	1448.0	1443.8
20°	1433.1	1427.3	1414.9	1424.0	1419.9
22.5°	1404.2	1400.1	1385.2	1395.1	1391.0
25°	1375.3	1367.0	1354.6	1363.7	1362.9
27.5°	1340.6	1332.3	1319.9	1330.7	1329.0
30°	1304.3	1295.2	1284.4	1295.2	1295.2
32.5°	1266.3	1254.7	1246.4	1258.8	1263.0
35°	1226.6	1210.9	1205.1	1225.8	1228.3
37.5°	1182.8	1167.1	1162.2	1189.4	1196.0
40°	1139.1	1119.2	1120.1	1154.7	1164.7
42.5°	1090.3	1070.5	1079.6	1120.1	1138.2
45°	1041.6	1019.3	1035.8	1088.7	1107.7
47.5°	990.4	968.9	996.2	1058.1	1082.1
50°	935.0	913.6	954.0	1029.2	1056.5
52.5°	878.9	856.6	913.6	999.5	1024.2
55°	823.5	801.2	875.6	962.3	980.5
57.5°	764.0	745.1	835.9	913.6	931.7
60°	705.4	688.9	797.9	864.0	881.3
62.5°	645.1	632.7	751.7	807.0	816.9
65°	581.5	578.2	697.1	744.2	750.8
67.5°	517.9	526.2	641.0	671.5	672.4
70°	452.6	474.9	576.5	589.8	584.0
72.5°	386.6	425.4	505.5	498.9	493.9
75°	315.5	368.4	422.1	403.9	394.8
77.5°	251.1	310.6	332.9	307.3	293.2
80°	187.5	245.3	243.7	210.6	203.2
82.5°	126.4	171.0	146.2	118.9	104.1
85°	67.7	90.9	61.9	43.0	40.5
87.5°	25.6	21.5	16.5	14.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)