

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-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: 4RSRK-TS-150-HE-L950
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

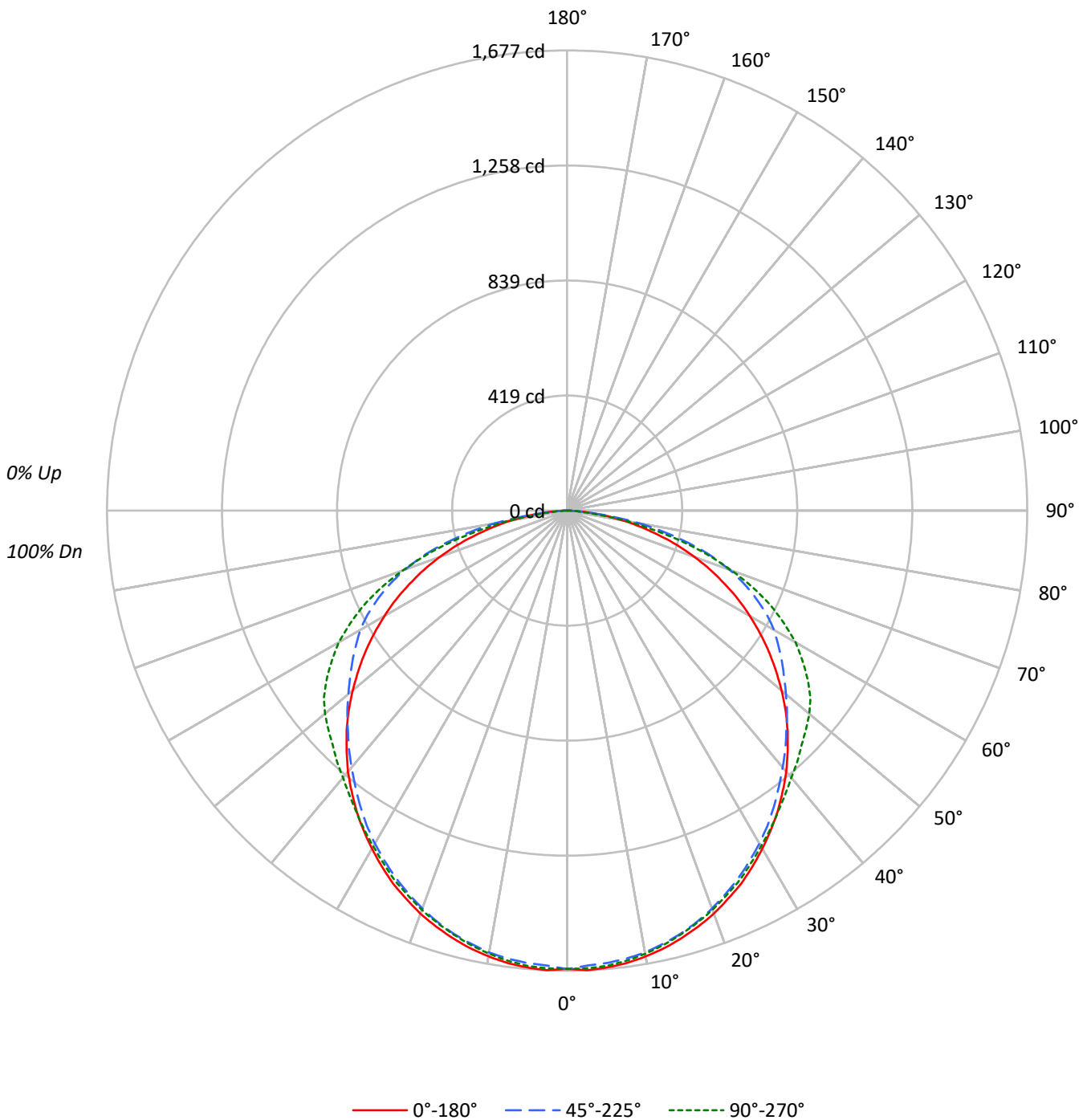
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5142.9 lumens
Efficiency: N/A
Efficacy: 116.4 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

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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	4468	4481
15°	4493	4448	4455
20°	4477	4420	4435
25°	4454	4387	4414
30°	4421	4354	4390
35°	4395	4319	4401
40°	4365	4292	4463
45°	4324	4300	4598
50°	4270	4357	4824
55°	4214	4481	5018
60°	4141	4684	5174
65°	4039	4842	5215
70°	3885	4948	5012
75°	3579	4787	4478
80°	3169	4119	3434
85°	2282	2087	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.2	3.1
10°-20°	452.7	8.8
20°-30°	685.5	13.3
30°-40°	831.4	16.2
40°-50°	889.4	17.3
50°-60°	862.1	16.8
60°-70°	722.0	14.0
70°-80°	443.6	8.6
80°-90°	98.0	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°	1296.4	25.2
0°-40°	2127.8	41.4
0°-60°	3879.3	75.4
0°-90°	5142.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5142.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1670	1670	1670	1670	1670	
5°	1671	1668	1655	1666	1665	159
15°	1613	1609	1597	1604	1599	455
25°	1500	1491	1478	1488	1487	691
35°	1338	1321	1315	1337	1340	837
45°	1136	1112	1130	1188	1208	876
55°	898	874	955	1050	1070	802
65°	634	631	760	812	819	627
75°	344	402	460	441	431	366
85°	74	99	68	47	44	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1670.5	1670.5	1670.5	1670.5	1670.5
2.5°	1676.8	1672.3	1659.7	1670.5	1669.6
5°	1671.4	1667.8	1655.1	1666.0	1665.1
7.5°	1663.3	1659.7	1647.0	1657.9	1655.1
10°	1649.7	1647.0	1635.3	1643.4	1639.8
12.5°	1633.5	1630.8	1617.3	1626.3	1621.8
15°	1612.8	1609.2	1596.6	1603.8	1599.3
17.5°	1589.4	1584.9	1572.3	1579.5	1575.0
20°	1563.2	1556.9	1543.4	1553.3	1548.8
22.5°	1531.7	1527.2	1511.0	1521.8	1517.3
25°	1500.2	1491.2	1477.6	1487.6	1486.7
27.5°	1462.3	1453.3	1439.8	1451.5	1449.7
30°	1422.7	1412.8	1401.1	1412.8	1412.8
32.5°	1381.2	1368.6	1359.6	1373.1	1377.6
35°	1338.0	1320.9	1314.6	1337.1	1339.8
37.5°	1290.2	1273.1	1267.7	1297.4	1304.7
40°	1242.5	1220.9	1221.8	1259.6	1270.4
42.5°	1189.3	1167.7	1177.6	1221.8	1241.6
45°	1136.2	1111.8	1129.9	1187.5	1208.2
47.5°	1080.3	1056.9	1086.6	1154.2	1180.3
50°	1019.9	996.5	1040.7	1122.7	1152.4
52.5°	958.7	934.3	996.5	1090.2	1117.2
55°	898.3	874.0	955.1	1049.7	1069.5
57.5°	833.4	812.7	911.8	996.5	1016.3
60°	769.5	751.4	870.4	942.5	961.4
62.5°	703.7	690.2	819.9	880.3	891.1
65°	634.3	630.7	760.4	811.8	819.0
67.5°	564.9	573.9	699.2	732.5	733.4
70°	493.8	518.1	628.9	643.3	637.0
72.5°	421.7	464.0	551.4	544.2	538.8
75°	344.2	401.8	460.4	440.6	430.7
77.5°	273.9	338.8	363.1	335.2	319.9
80°	204.5	267.6	265.8	229.8	221.6
82.5°	137.9	186.5	159.5	129.7	113.5
85°	73.9	99.1	67.6	46.9	44.1
87.5°	27.9	23.4	18.0	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)