

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-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 (G3-1810-975-9)
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-L935
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

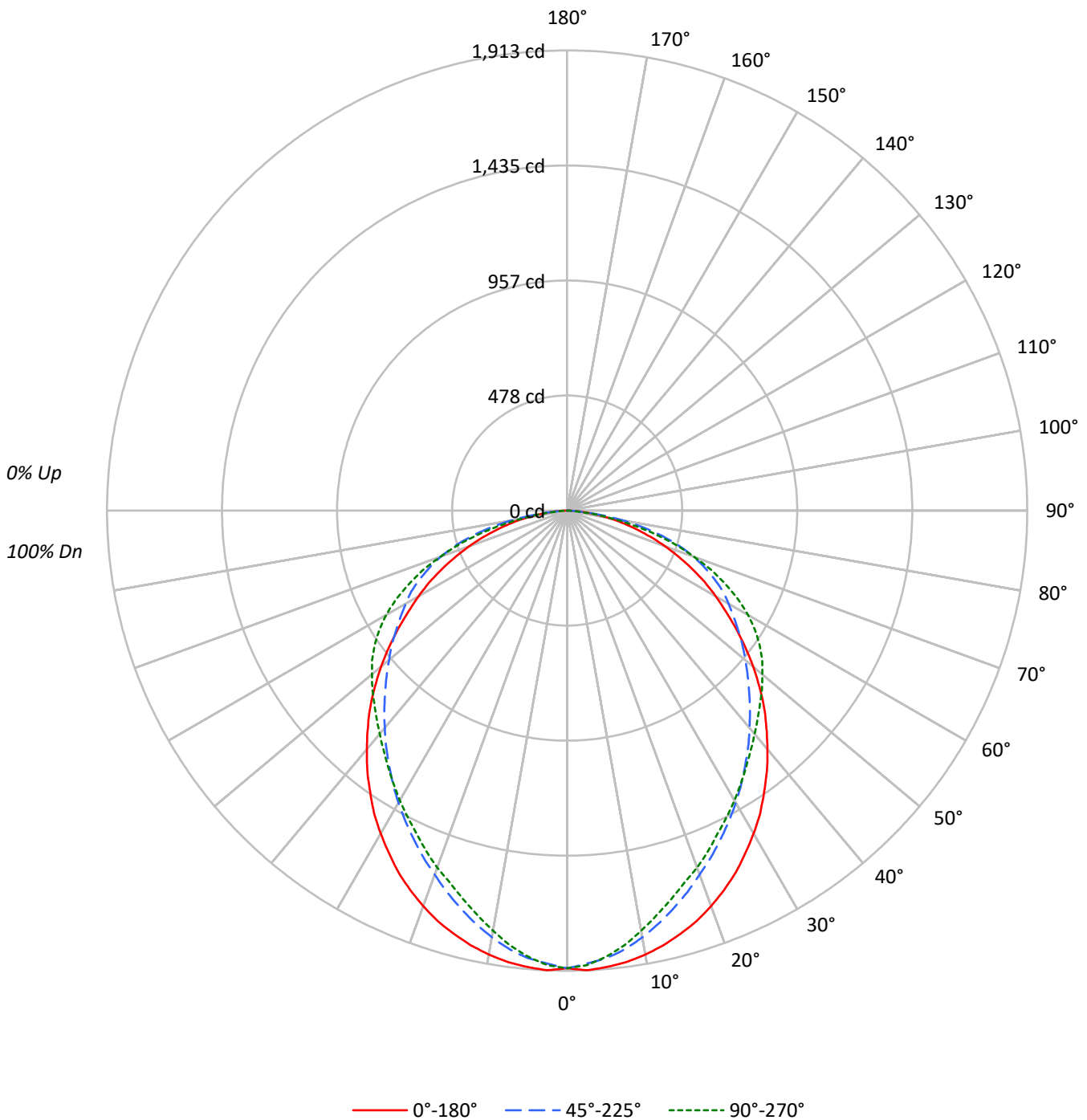
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4977.4 lumens
Efficiency: N/A
Efficacy: 112.6 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5120	5120	5120
5°	5145	5045	5028
10°	5120	4922	4845
15°	5074	4769	4657
20°	5011	4611	4523
25°	4928	4480	4398
30°	4818	4359	4324
35°	4690	4240	4265
40°	4549	4142	4259
45°	4408	4072	4316
50°	4228	4045	4435
55°	4027	4071	4586
60°	3837	4174	4677
65°	3650	4304	4635
70°	3412	4397	4407
75°	3062	4267	3948
80°	2679	3622	2932
85°	2013	1914	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.3	3.6
10°-20°	487.9	9.8
20°-30°	709.9	14.3
30°-40°	830.3	16.7
40°-50°	853.4	17.1
50°-60°	794.0	16.0
60°-70°	645.8	13.0
70°-80°	391.2	7.9
80°-90°	87.6	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°	1375.2	27.6
0°-40°	2205.4	44.3
0°-60°	3852.8	77.4
0°-90°	4977.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4977.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1903	1903	1903	1903	1903	
5°	1905	1893	1868	1871	1861	181
15°	1821	1782	1712	1686	1672	514
25°	1660	1590	1509	1494	1481	763
35°	1428	1352	1291	1299	1298	893
45°	1158	1084	1070	1117	1134	892
55°	858	811	868	956	977	768
65°	573	563	676	730	728	568
75°	294	350	410	392	380	315
85°	65	90	62	45	40	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1912.8	1904.0	1885.2	1895.9	1891.5
5°	1904.6	1893.3	1867.7	1871.4	1861.4
7.5°	1892.7	1876.4	1839.5	1831.9	1823.2
10°	1873.9	1850.1	1801.2	1789.3	1773.1
12.5°	1850.7	1820.0	1758.6	1737.3	1722.3
15°	1821.3	1782.5	1711.7	1686.0	1671.6
17.5°	1789.3	1741.1	1662.8	1636.5	1621.4
20°	1749.9	1694.7	1610.2	1588.2	1579.5
22.5°	1706.0	1642.7	1561.3	1541.9	1531.8
25°	1659.7	1589.5	1508.7	1493.6	1481.1
27.5°	1605.1	1533.7	1455.4	1444.8	1436.0
30°	1550.6	1477.3	1402.8	1395.3	1391.5
32.5°	1493.0	1413.4	1347.6	1346.4	1344.5
35°	1427.8	1352.0	1290.6	1298.8	1298.2
37.5°	1364.6	1286.9	1236.8	1251.2	1254.3
40°	1295.0	1219.2	1179.1	1203.5	1212.3
42.5°	1226.7	1154.1	1125.2	1158.4	1172.8
45°	1158.4	1083.9	1070.1	1117.1	1134.0
47.5°	1083.9	1016.8	1018.1	1078.2	1098.3
50°	1010.0	947.3	966.1	1036.3	1059.4
52.5°	933.5	879.6	919.1	995.5	1021.9
55°	858.3	811.3	867.7	956.1	977.4
57.5°	783.2	745.6	820.7	905.3	926.6
60°	713.0	680.4	775.6	852.7	869.0
62.5°	645.9	619.6	731.2	795.1	803.2
65°	573.3	562.6	676.0	729.9	728.0
67.5°	501.8	504.3	619.6	654.7	651.6
70°	433.6	453.6	558.9	573.3	560.1
72.5°	363.4	401.0	488.1	486.8	473.6
75°	294.5	350.2	410.4	392.2	379.7
77.5°	234.9	295.7	325.8	300.7	280.7
80°	172.9	236.8	233.7	205.5	189.2
82.5°	113.4	164.8	144.7	116.5	109.0
85°	65.2	89.6	62.0	45.1	40.1
87.5°	27.6	23.8	15.7	14.4	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)