

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-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 (G3-1810-975-9)
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-L950
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

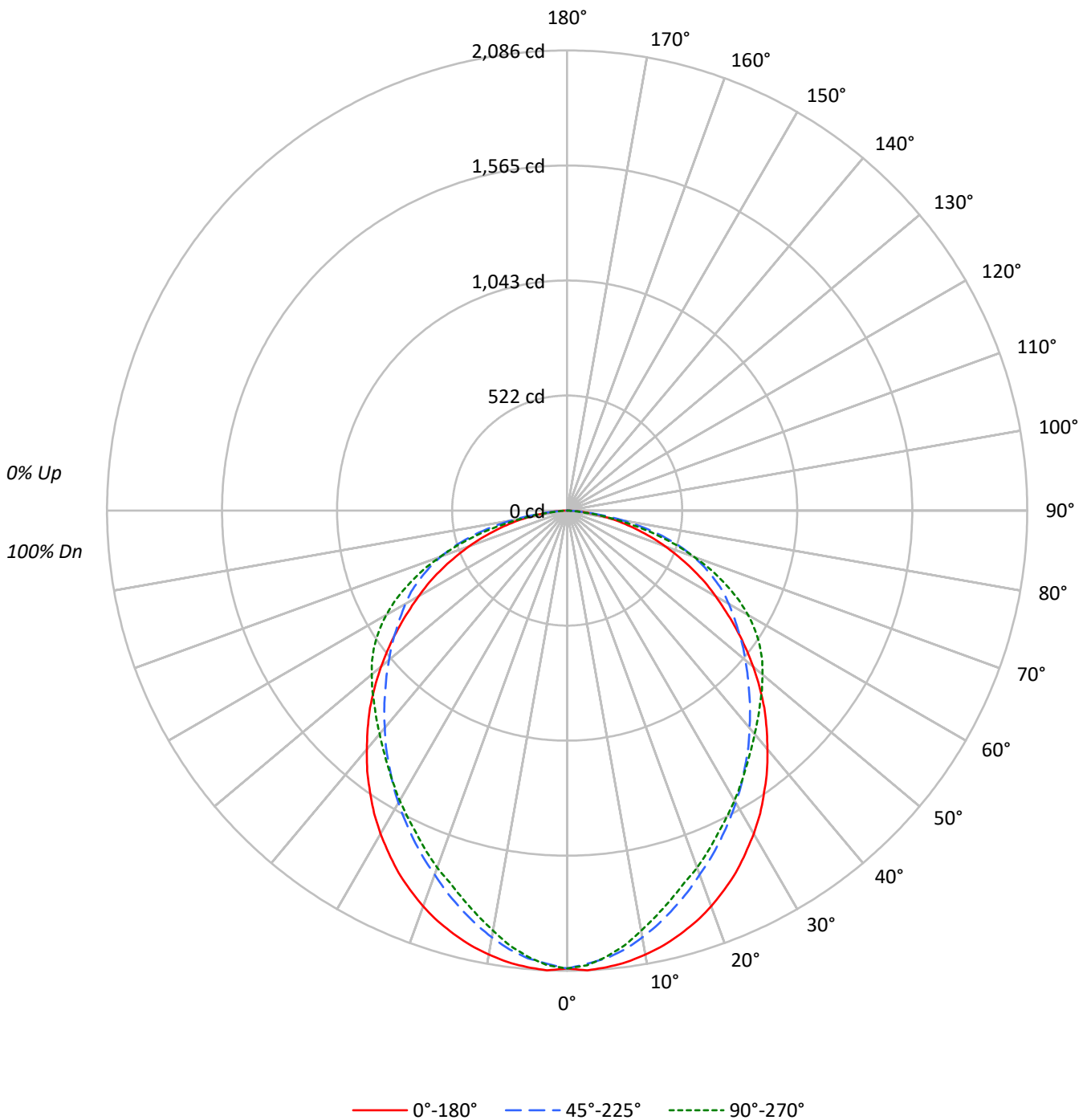
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5429.4 lumens
Efficiency: N/A
Efficacy: 122.8 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°	5585	5585	5585
5°	5612	5503	5485
10°	5585	5369	5285
15°	5535	5202	5080
20°	5466	5030	4934
25°	5375	4886	4797
30°	5256	4755	4717
35°	5117	4625	4652
40°	4962	4518	4645
45°	4809	4442	4708
50°	4612	4412	4838
55°	4393	4441	5002
60°	4186	4554	5102
65°	3982	4695	5056
70°	3721	4796	4807
75°	3340	4654	4305
80°	2923	3950	3199
85°	2195	2090	1349



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.4	3.6
10°-20°	532.3	9.8
20°-30°	774.3	14.3
30°-40°	905.7	16.7
40°-50°	930.9	17.1
50°-60°	866.1	16.0
60°-70°	704.5	13.0
70°-80°	426.7	7.9
80°-90°	95.6	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°	1500.0	27.6
0°-40°	2405.7	44.3
0°-60°	4202.7	77.4
0°-90°	5429.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5429.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2076	2076	2076	2076	2076	
5°	2078	2065	2037	2041	2030	197
15°	1987	1944	1867	1839	1823	560
25°	1810	1734	1646	1629	1616	833
35°	1558	1475	1408	1417	1416	974
45°	1264	1182	1167	1218	1237	973
55°	936	885	946	1043	1066	838
65°	625	614	737	796	794	619
75°	321	382	448	428	414	344
85°	71	98	68	49	44	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2075.5	2075.5	2075.5	2075.5	2075.5
2.5°	2086.5	2076.9	2056.4	2068.0	2063.2
5°	2077.6	2065.3	2037.3	2041.4	2030.4
7.5°	2064.6	2046.8	2006.5	1998.3	1988.7
10°	2044.1	2018.1	1964.8	1951.8	1934.1
12.5°	2018.8	1985.3	1918.3	1895.1	1878.7
15°	1986.7	1944.3	1867.1	1839.1	1823.3
17.5°	1951.8	1899.2	1813.8	1785.1	1768.7
20°	1908.8	1848.6	1756.4	1732.5	1722.9
22.5°	1860.9	1791.9	1703.1	1681.9	1670.9
25°	1810.4	1733.8	1645.7	1629.3	1615.6
27.5°	1750.9	1673.0	1587.6	1576.0	1566.4
30°	1691.5	1611.5	1530.2	1522.0	1517.9
32.5°	1628.6	1541.8	1470.0	1468.7	1466.6
35°	1557.5	1474.8	1407.8	1416.7	1416.0
37.5°	1488.5	1403.7	1349.1	1364.8	1368.2
40°	1412.6	1329.9	1286.2	1312.8	1322.4
42.5°	1338.1	1258.8	1227.4	1263.6	1279.4
45°	1263.6	1182.3	1167.3	1218.5	1237.0
47.5°	1182.3	1109.2	1110.5	1176.2	1198.0
50°	1101.7	1033.3	1053.8	1130.4	1155.7
52.5°	1018.3	959.5	1002.6	1085.9	1114.6
55°	936.3	885.0	946.5	1042.9	1066.1
57.5°	854.3	813.3	895.3	987.5	1010.8
60°	777.7	742.2	846.1	930.1	947.9
62.5°	704.6	675.9	797.5	867.3	876.1
65°	625.3	613.7	737.4	796.2	794.1
67.5°	547.4	550.1	675.9	714.2	710.8
70°	472.9	494.8	609.6	625.3	611.0
72.5°	396.4	437.4	532.4	531.0	516.7
75°	321.2	382.0	447.6	427.8	414.1
77.5°	256.3	322.6	355.4	328.0	306.2
80°	188.6	258.3	254.9	224.2	206.4
82.5°	123.7	179.7	157.9	127.1	118.9
85°	71.1	97.7	67.7	49.2	43.7
87.5°	30.1	26.0	17.1	15.7	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)