

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-L830**

Issue Date: 3/3/2020



**Test Information**

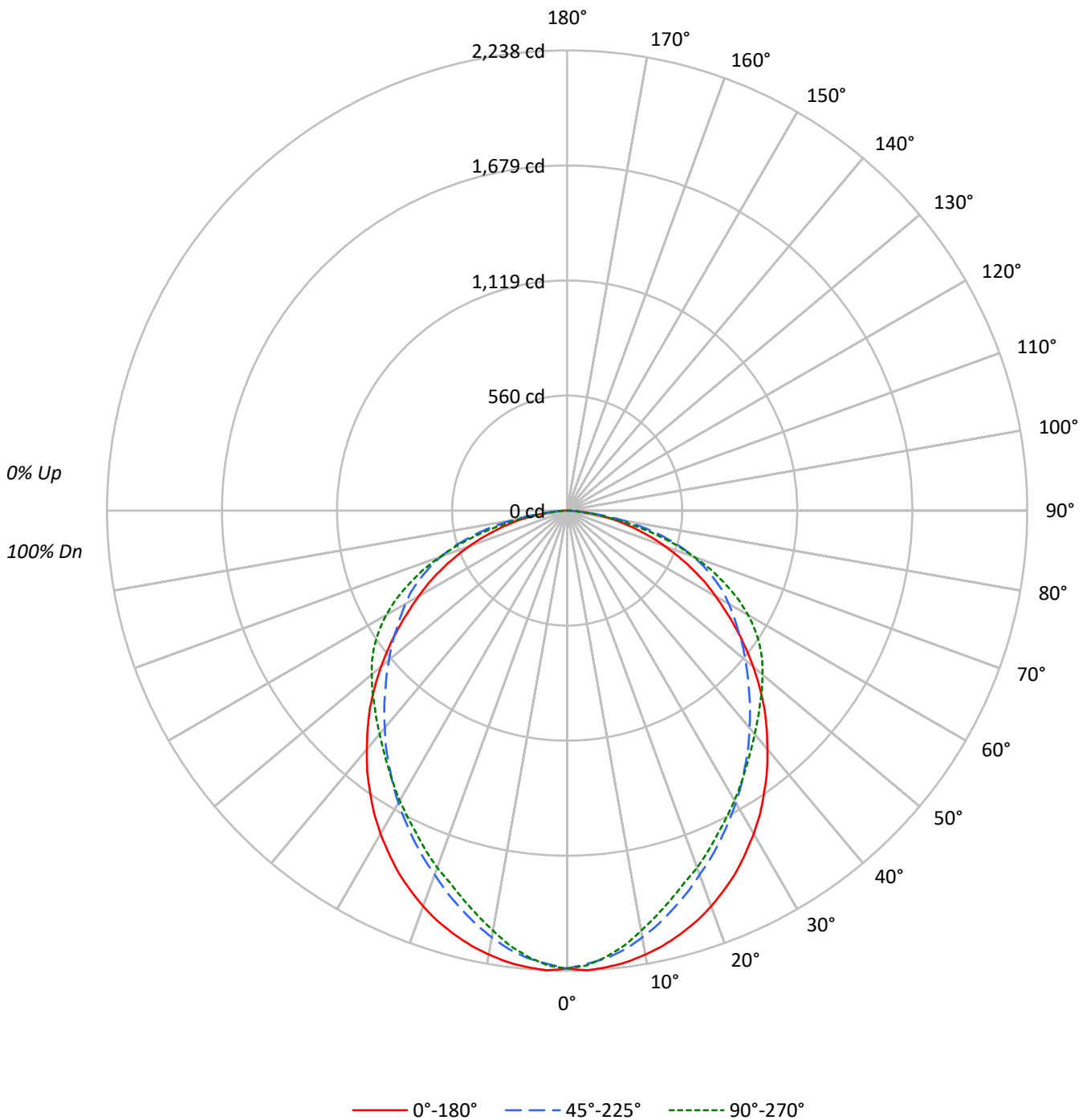
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TB-150-HE-L830  
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5825.0 lumens  
Efficiency: N/A  
Efficacy: 131.8 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°	5992	5992	5992
5°	6021	5904	5884
10°	5992	5760	5670
15°	5938	5580	5450
20°	5865	5396	5293
25°	5767	5242	5146
30°	5639	5101	5060
35°	5489	4962	4991
40°	5324	4847	4984
45°	5159	4766	5050
50°	4948	4733	5191
55°	4713	4764	5366
60°	4491	4885	5473
65°	4272	5037	5425
70°	3992	5146	5157
75°	3583	4994	4619
80°	3137	4238	3431
85°	2356	2242	1448



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.5	3.6
10°-20°	571.0	9.8
20°-30°	830.8	14.3
30°-40°	971.7	16.7
40°-50°	998.7	17.1
50°-60°	929.2	16.0
60°-70°	755.8	13.0
70°-80°	457.8	7.9
80°-90°	102.6	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°	1609.3	27.6
0°-40°	2581.0	44.3
0°-60°	4508.9	77.4
0°-90°	5825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5825.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2227	2227	2227	2227	2227	
5°	2229	2216	2186	2190	2178	212
15°	2131	2086	2003	1973	1956	601
25°	1942	1860	1766	1748	1733	893
35°	1671	1582	1510	1520	1519	1045
45°	1356	1268	1252	1307	1327	1044
55°	1004	950	1016	1119	1144	899
65°	671	658	791	854	852	664
75°	345	410	480	459	444	369
85°	76	105	73	53	47	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2226.8	2226.8	2226.8	2226.8	2226.8
2.5°	2238.5	2228.2	2206.2	2218.7	2213.6
5°	2229.0	2215.8	2185.7	2190.1	2178.4
7.5°	2215.0	2196.0	2152.7	2143.9	2133.6
10°	2193.0	2165.2	2108.0	2094.0	2075.0
12.5°	2165.9	2130.0	2058.1	2033.2	2015.6
15°	2131.4	2086.0	2003.1	1973.1	1956.2
17.5°	2094.0	2037.6	1945.9	1915.1	1897.5
20°	2047.9	1983.3	1884.4	1858.7	1848.4
22.5°	1996.5	1922.5	1827.2	1804.4	1792.7
25°	1942.3	1860.2	1765.6	1748.0	1733.3
27.5°	1878.5	1794.9	1703.2	1690.8	1680.5
30°	1814.7	1728.9	1641.7	1632.9	1628.5
32.5°	1747.2	1654.1	1577.1	1575.7	1573.5
35°	1671.0	1582.3	1510.4	1519.9	1519.2
37.5°	1596.9	1506.0	1447.4	1464.2	1467.9
40°	1515.5	1426.8	1379.9	1408.5	1418.8
42.5°	1435.6	1350.6	1316.8	1355.7	1372.6
45°	1355.7	1268.5	1252.3	1307.3	1327.1
47.5°	1268.5	1190.0	1191.5	1261.9	1285.3
50°	1181.9	1108.6	1130.6	1212.7	1239.9
52.5°	1092.5	1029.4	1075.6	1165.1	1195.9
55°	1004.5	949.5	1015.5	1118.9	1143.8
57.5°	916.5	872.5	960.5	1059.5	1084.4
60°	834.4	796.3	907.7	997.9	1017.0
62.5°	755.9	725.1	855.7	930.4	940.0
65°	670.9	658.4	791.1	854.2	852.0
67.5°	587.3	590.2	725.1	766.2	762.5
70°	507.4	530.8	654.0	670.9	655.5
72.5°	425.3	469.3	571.2	569.7	554.3
75°	344.6	409.9	480.3	459.0	444.3
77.5°	275.0	346.1	381.3	351.9	328.5
80°	202.4	277.2	273.5	240.5	221.4
82.5°	132.7	192.8	169.4	136.4	127.6
85°	76.3	104.8	72.6	52.8	46.9
87.5°	32.3	27.9	18.3	16.9	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)