

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-L835**

Issue Date: 3/3/2020



**Test Information**

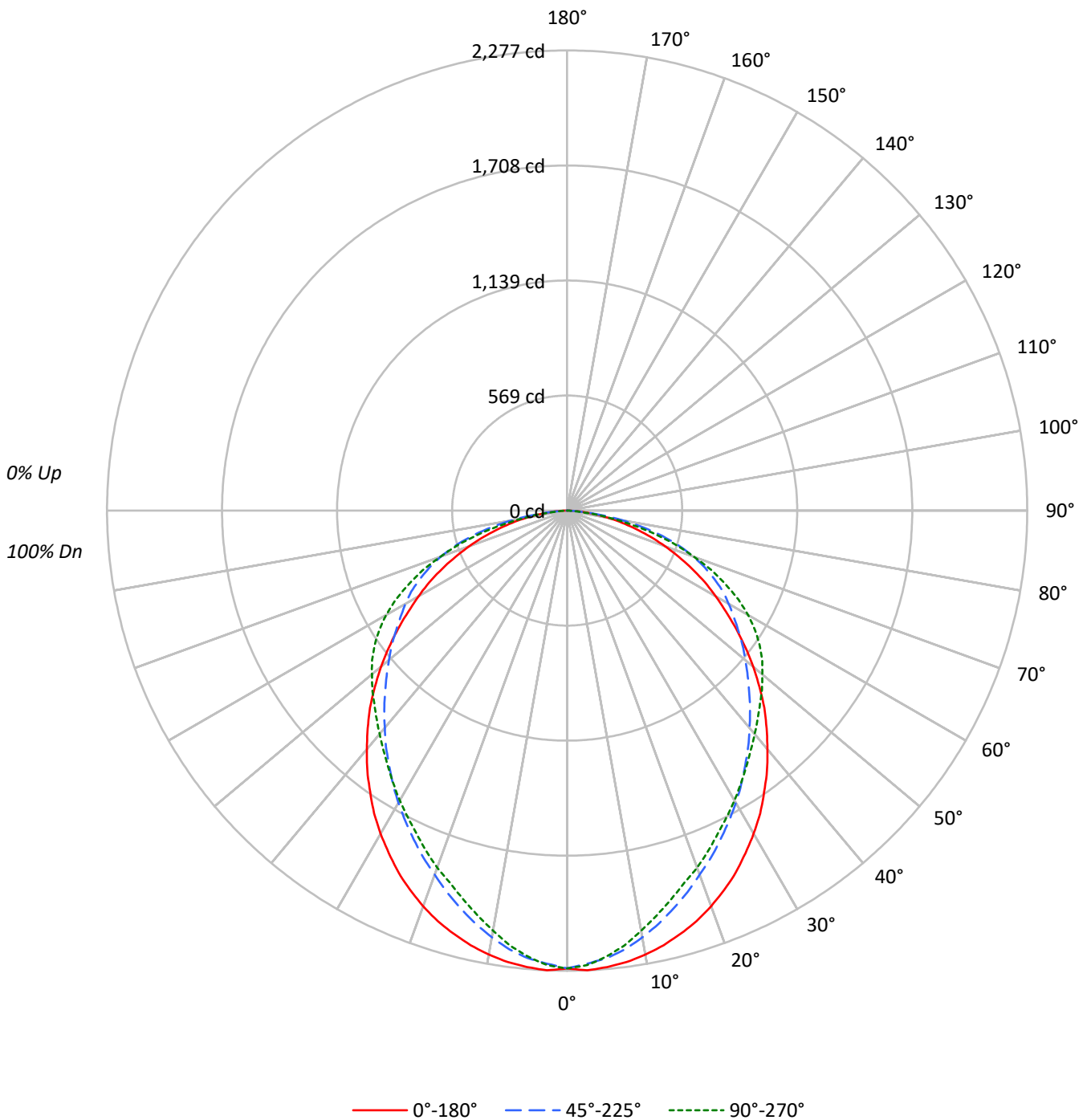
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TB-150-HE-L835  
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5925.5 lumens  
Efficiency: N/A  
Efficacy: 134.1 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	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					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6096	6096	6096
5°	6125	6006	5986
10°	6096	5859	5768
15°	6040	5677	5544
20°	5966	5489	5385
25°	5866	5333	5235
30°	5736	5189	5148
35°	5584	5048	5077
40°	5416	4931	5070
45°	5248	4848	5138
50°	5033	4815	5280
55°	4794	4846	5459
60°	4568	4970	5568
65°	4346	5124	5519
70°	4061	5235	5246
75°	3645	5079	4700
80°	3191	4311	3490
85°	2396	2279	1473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.1	3.6
10°-20°	580.9	9.8
20°-30°	845.1	14.3
30°-40°	988.4	16.7
40°-50°	1016.0	17.1
50°-60°	945.2	16.0
60°-70°	768.9	13.0
70°-80°	465.7	7.9
80°-90°	104.3	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°	1637.1	27.6
0°-40°	2625.5	44.3
0°-60°	4586.7	77.4
0°-90°	5925.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5925.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2265	2265	2265	2265	2265	
5°	2267	2254	2223	2228	2216	215
15°	2168	2122	2038	2007	1990	611
25°	1976	1892	1796	1778	1763	909
35°	1700	1610	1536	1546	1545	1064
45°	1379	1290	1274	1330	1350	1062
55°	1022	966	1033	1138	1164	915
65°	682	670	805	869	867	676
75°	351	417	488	467	452	375
85°	78	107	74	54	48	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2265.2	2265.2	2265.2	2265.2	2265.2
2.5°	2277.1	2266.7	2244.3	2257.0	2251.7
5°	2267.4	2254.0	2223.4	2227.9	2215.9
7.5°	2253.2	2233.8	2189.8	2180.9	2170.4
10°	2230.9	2202.5	2144.3	2130.2	2110.8
12.5°	2203.3	2166.7	2093.6	2068.3	2050.4
15°	2168.2	2122.0	2037.7	2007.1	1990.0
17.5°	2130.2	2072.7	1979.5	1948.2	1930.3
20°	2083.2	2017.5	1916.9	1890.8	1880.3
22.5°	2031.0	1955.6	1858.7	1835.6	1823.6
25°	1975.8	1892.2	1796.0	1778.1	1763.2
27.5°	1910.9	1825.9	1732.6	1719.9	1709.5
30°	1846.0	1758.7	1670.0	1661.0	1656.6
32.5°	1777.4	1682.7	1604.3	1602.8	1600.6
35°	1699.8	1609.6	1536.5	1546.2	1545.4
37.5°	1624.5	1532.0	1472.3	1489.5	1493.2
40°	1541.7	1451.4	1403.7	1432.8	1443.2
42.5°	1460.4	1373.9	1339.6	1379.1	1396.2
45°	1379.1	1290.3	1273.9	1329.9	1350.0
47.5°	1290.3	1210.5	1212.0	1283.6	1307.5
50°	1202.3	1127.7	1150.1	1233.6	1261.2
52.5°	1111.3	1047.2	1094.2	1185.2	1216.5
55°	1021.8	965.9	1033.0	1138.2	1163.5
57.5°	932.3	887.6	977.1	1077.8	1103.1
60°	848.8	810.0	923.4	1015.1	1034.5
62.5°	769.0	737.7	870.4	946.5	956.2
65°	682.5	669.8	804.8	868.9	866.7
67.5°	597.4	600.4	737.7	779.4	775.7
70°	516.1	540.0	665.3	682.5	666.8
72.5°	432.6	477.3	581.0	579.5	563.9
75°	350.6	416.9	488.5	466.9	452.0
77.5°	279.7	352.0	387.8	358.0	334.1
80°	205.9	281.9	278.2	244.6	225.2
82.5°	135.0	196.2	172.3	138.7	129.8
85°	77.6	106.7	73.8	53.7	47.7
87.5°	32.8	28.3	18.6	17.2	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)