

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: **8RSRK-TB-65-HE-L850**

Issue Date: 3/3/2020



**Test Information**

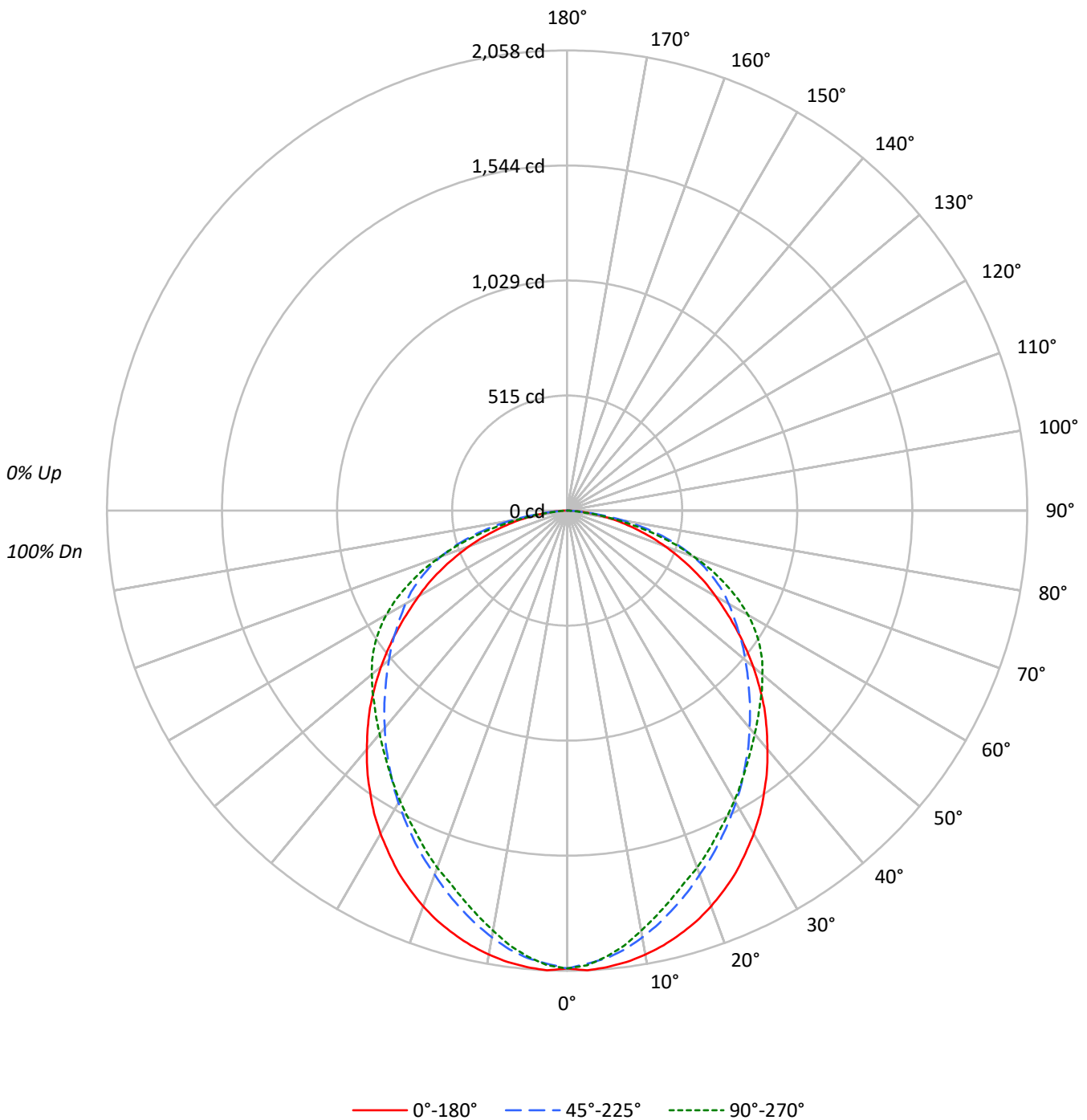
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TB-65-HE-L850  
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5356.0 lumens  
Efficiency: N/A  
Efficacy: 283.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 18.9  
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°	2755	2755	2755
5°	2768	2714	2705
10°	2755	2648	2607
15°	2730	2566	2506
20°	2696	2481	2434
25°	2651	2410	2366
30°	2592	2345	2326
35°	2524	2281	2294
40°	2448	2229	2291
45°	2372	2191	2322
50°	2275	2176	2386
55°	2167	2190	2467
60°	2065	2246	2516
65°	1964	2316	2494
70°	1835	2366	2371
75°	1647	2296	2124
80°	1442	1949	1578
85°	1082	1030	665



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.8	3.6
10°-20°	525.1	9.8
20°-30°	763.9	14.3
30°-40°	893.4	16.7
40°-50°	918.3	17.1
50°-60°	854.4	16.0
60°-70°	695.0	13.0
70°-80°	420.9	7.9
80°-90°	94.3	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°	1479.7	27.6
0°-40°	2373.1	44.3
0°-60°	4145.8	77.4
0°-90°	5356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5356.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2048	2048	2048	2048	2048	
5°	2050	2037	2010	2014	2003	195
15°	1960	1918	1842	1814	1799	553
25°	1786	1710	1623	1607	1594	822
35°	1536	1455	1389	1398	1397	961
45°	1246	1166	1152	1202	1220	960
55°	924	873	934	1029	1052	827
65°	617	605	727	785	783	611
75°	317	377	442	422	408	339
85°	70	96	67	48	43	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2047.5	2047.5	2047.5	2047.5	2047.5
2.5°	2058.2	2048.8	2028.6	2040.0	2035.3
5°	2049.5	2037.3	2009.7	2013.8	2003.0
7.5°	2036.7	2019.1	1979.4	1971.3	1961.8
10°	2016.4	1990.8	1938.2	1925.4	1907.9
12.5°	1991.5	1958.5	1892.4	1869.5	1853.3
15°	1959.8	1918.0	1841.8	1814.2	1798.7
17.5°	1925.4	1873.5	1789.3	1760.9	1744.8
20°	1883.0	1823.6	1732.6	1709.0	1699.6
22.5°	1835.8	1767.7	1680.0	1659.1	1648.4
25°	1785.9	1710.4	1623.4	1607.2	1593.7
27.5°	1727.2	1650.4	1566.1	1554.6	1545.2
30°	1668.6	1589.7	1509.5	1501.4	1497.3
32.5°	1606.6	1520.9	1450.1	1448.8	1446.8
35°	1536.4	1454.9	1388.8	1397.6	1396.9
37.5°	1468.3	1384.7	1330.8	1346.3	1349.7
40°	1393.5	1311.9	1268.8	1295.1	1304.5
42.5°	1320.0	1241.8	1210.8	1246.5	1262.0
45°	1246.5	1166.3	1151.5	1202.0	1220.3
47.5°	1166.3	1094.2	1095.5	1160.2	1181.8
50°	1086.8	1019.3	1039.6	1115.1	1140.0
52.5°	1004.5	946.5	989.0	1071.3	1099.6
55°	923.6	873.1	933.7	1028.8	1051.7
57.5°	842.7	802.3	883.2	974.2	997.1
60°	767.2	732.2	834.6	917.5	935.1
62.5°	695.1	666.8	786.8	855.5	864.3
65°	616.9	605.4	727.4	785.4	783.4
67.5°	540.0	542.7	666.8	704.5	701.1
70°	466.5	488.1	601.4	616.9	602.7
72.5°	391.0	431.5	525.2	523.8	509.7
75°	316.9	376.9	441.6	422.0	408.5
77.5°	252.8	318.2	350.6	323.6	302.0
80°	186.1	254.8	251.5	221.1	203.6
82.5°	122.0	177.3	155.7	125.4	117.3
85°	70.1	96.4	66.7	48.5	43.1
87.5°	29.7	25.6	16.9	15.5	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)