

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-L940**

Issue Date: 3/3/2020



**Test Information**

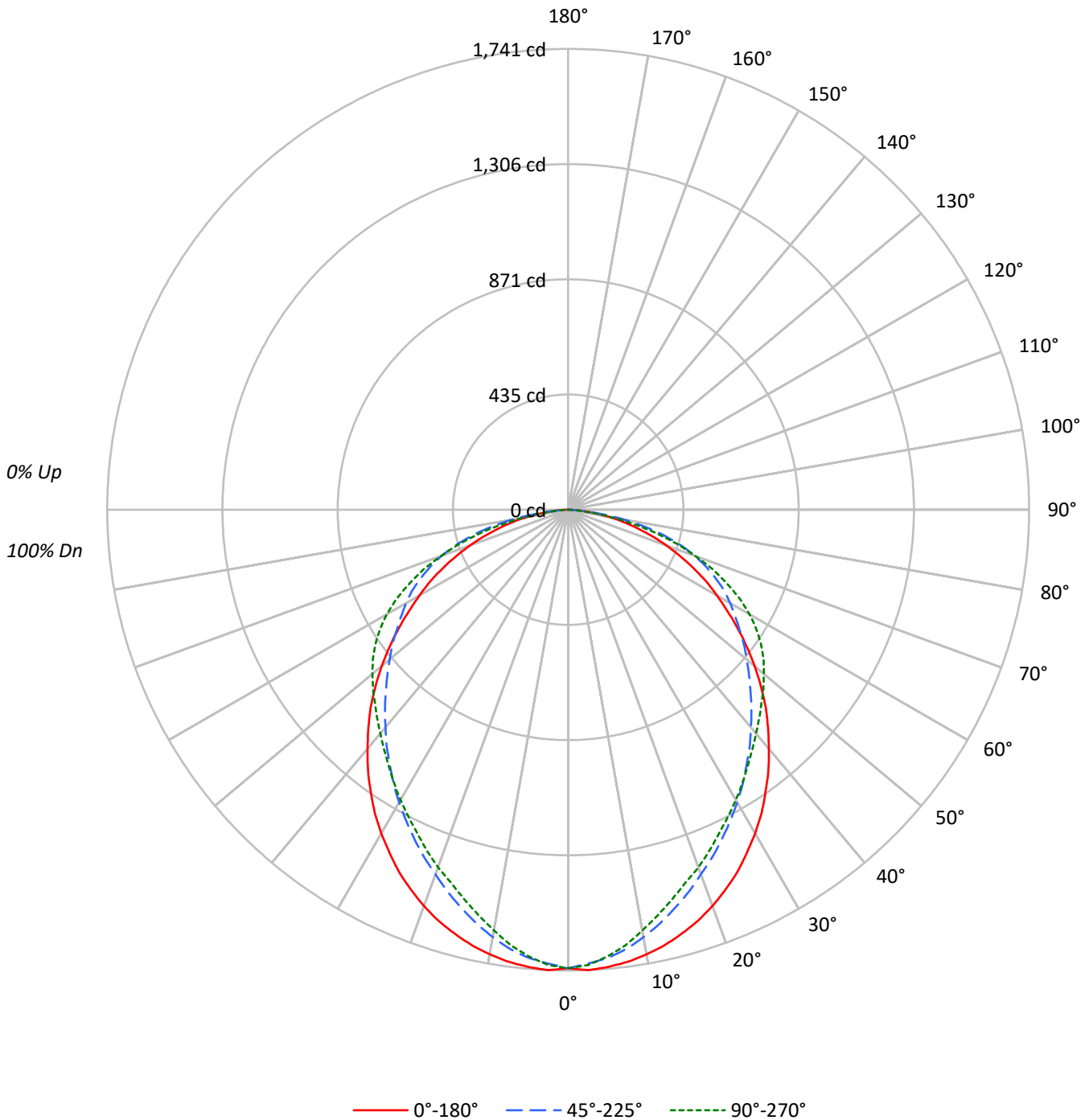
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TB-65-HE-L940  
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4531.2 lumens  
Efficiency: N/A  
Efficacy: 239.7 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°	2331	2331	2331
5°	2342	2296	2289
10°	2331	2240	2205
15°	2310	2170	2120
20°	2281	2099	2059
25°	2243	2039	2002
30°	2193	1984	1968
35°	2135	1930	1941
40°	2071	1885	1938
45°	2007	1854	1964
50°	1924	1841	2019
55°	1833	1853	2087
60°	1747	1900	2129
65°	1662	1959	2110
70°	1553	2002	2006
75°	1394	1942	1797
80°	1220	1648	1334
85°	915	872	563



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.4	3.6
10°-20°	444.2	9.8
20°-30°	646.2	14.3
30°-40°	755.8	16.7
40°-50°	776.9	17.1
50°-60°	722.8	16.0
60°-70°	587.9	13.0
70°-80°	356.1	7.9
80°-90°	79.8	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°	1251.9	27.6
0°-40°	2007.7	44.3
0°-60°	3507.4	77.4
0°-90°	4531.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4531.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1732	1732	1732	1732	1732	
5°	1734	1724	1700	1704	1694	165
15°	1658	1623	1558	1535	1522	468
25°	1511	1447	1373	1360	1348	695
35°	1300	1231	1175	1182	1182	813
45°	1055	987	974	1017	1032	812
55°	781	739	790	870	890	699
65°	522	512	615	664	663	517
75°	268	319	374	357	346	287
85°	59	82	56	41	36	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1732.2	1732.2	1732.2	1732.2	1732.2
2.5°	1741.3	1733.3	1716.2	1725.9	1721.9
5°	1733.9	1723.6	1700.2	1703.6	1694.5
7.5°	1723.0	1708.2	1674.5	1667.7	1659.7
10°	1705.9	1684.2	1639.8	1628.9	1614.1
12.5°	1684.8	1656.9	1601.0	1581.6	1567.9
15°	1658.0	1622.6	1558.2	1534.8	1521.7
17.5°	1628.9	1585.0	1513.7	1489.8	1476.1
20°	1593.0	1542.8	1465.8	1445.8	1437.9
22.5°	1553.1	1495.5	1421.3	1403.6	1394.5
25°	1510.9	1447.0	1373.4	1359.7	1348.3
27.5°	1461.2	1396.2	1324.9	1315.2	1307.2
30°	1411.6	1344.9	1277.0	1270.2	1266.7
32.5°	1359.1	1286.7	1226.8	1225.7	1224.0
35°	1299.8	1230.8	1174.9	1182.3	1181.8
37.5°	1242.2	1171.5	1125.9	1139.0	1141.8
40°	1178.9	1109.9	1073.4	1095.6	1103.6
42.5°	1116.7	1050.6	1024.3	1054.6	1067.7
45°	1054.6	986.7	974.2	1016.9	1032.3
47.5°	986.7	925.7	926.8	981.6	999.8
50°	919.4	862.4	879.5	943.4	964.5
52.5°	849.8	800.8	836.7	906.3	930.2
55°	781.4	738.6	789.9	870.4	889.7
57.5°	712.9	678.7	747.2	824.2	843.5
60°	649.1	619.4	706.1	776.2	791.1
62.5°	588.0	564.1	665.6	723.8	731.2
65°	521.9	512.2	615.4	664.5	662.7
67.5°	456.8	459.1	564.1	596.0	593.2
70°	394.7	412.9	508.8	521.9	509.9
72.5°	330.8	365.0	444.3	443.2	431.2
75°	268.1	318.8	373.6	357.0	345.6
77.5°	213.9	269.2	296.6	273.8	255.5
80°	157.4	215.6	212.7	187.1	172.2
82.5°	103.2	150.0	131.8	106.1	99.2
85°	59.3	81.6	56.5	41.1	36.5
87.5°	25.1	21.7	14.3	13.1	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)