

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-50-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 (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-50-HE-L835  
Description: 8ft RSRK, 500 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

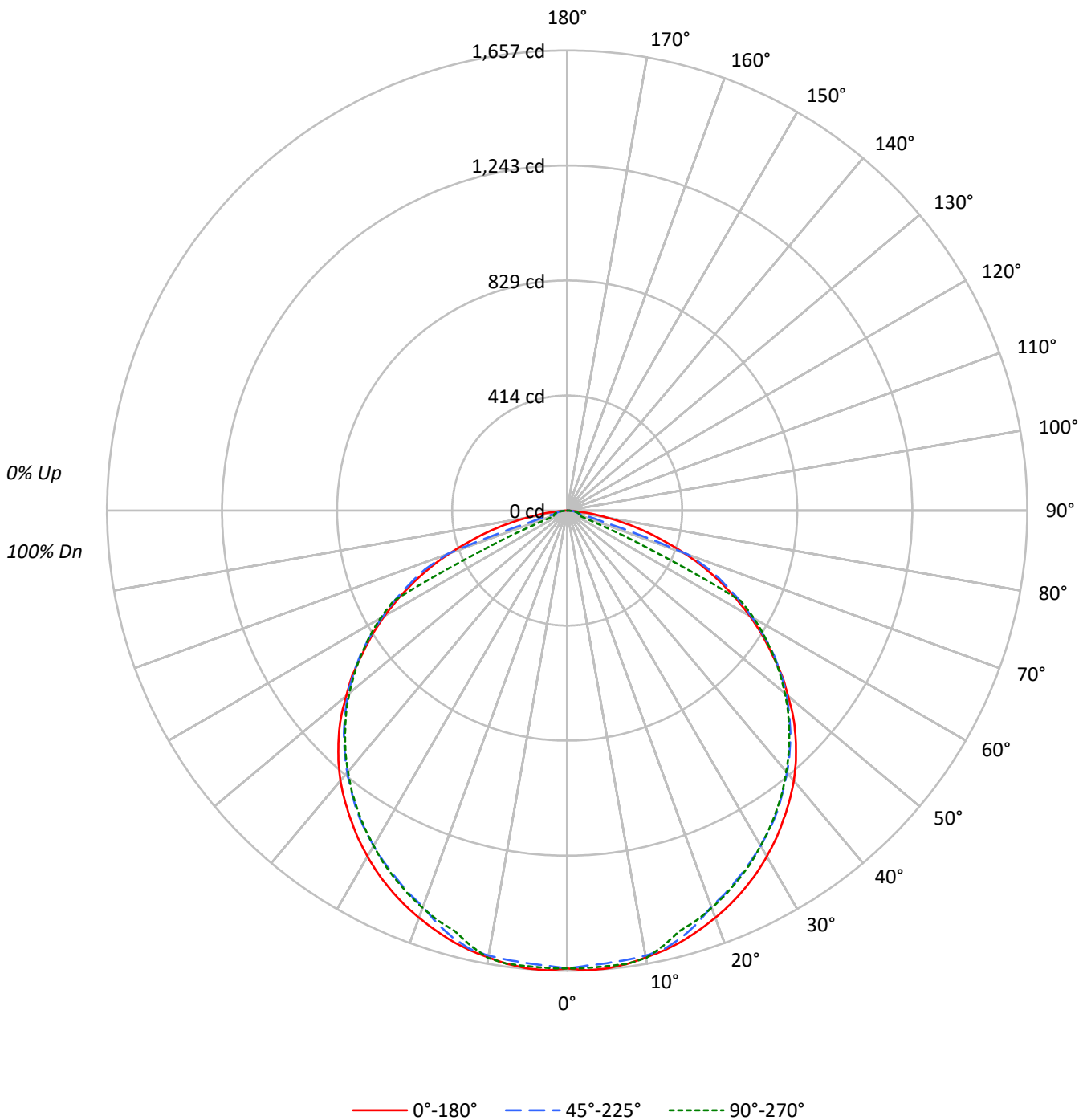
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4538.8 lumens  
Efficiency: N/A  
Efficacy: 317.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
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

TEST NUMBER: P#  
CATALOG NUMBER: 8RSRK-50-HE-L835

### 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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	2218	2218	2218
5°	2235	2210	2224
10°	2232	2224	2235
15°	2235	2217	2182
20°	2234	2174	2180
25°	2235	2166	2173
30°	2234	2166	2166
35°	2231	2169	2162
40°	2230	2164	2156
45°	2216	2164	2152
50°	2173	2160	2142
55°	2114	2134	2124
60°	2045	2068	2091
65°	1937	1991	1053
70°	1773	1814	199
75°	1522	219	241
80°	1142	277	277
85°	585	292	259



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.6	3.5
10°-20°	448.7	9.9
20°-30°	682.1	15.0
30°-40°	830.9	18.3
40°-50°	879.3	19.4
50°-60°	806.5	17.8
60°-70°	544.0	12.0
70°-80°	164.4	3.6
80°-90°	26.3	0.6
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°	1287.5	28.4
0°-40°	2118.4	46.7
0°-60°	3804.2	83.8
0°-90°	4538.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4538.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1655	1642	1636	1651	1647	157
15°	1604	1596	1592	1579	1567	453
25°	1506	1503	1459	1474	1464	694
35°	1358	1329	1320	1324	1316	850
45°	1164	1137	1137	1139	1131	896
55°	901	889	910	910	905	807
65°	608	600	625	634	331	601
75°	293	295	42	46	46	310
85°	38	19	19	17	17	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1648.8	1648.8	1648.8	1648.8	1648.8
2.5°	1657.2	1644.5	1640.3	1650.8	1648.8
5°	1655.0	1642.4	1636.1	1650.8	1646.6
7.5°	1646.6	1634.0	1631.9	1648.8	1646.6
10°	1634.0	1625.6	1627.6	1642.4	1636.1
12.5°	1621.4	1612.9	1617.1	1612.9	1604.5
15°	1604.5	1596.1	1591.9	1579.2	1566.6
17.5°	1583.5	1579.2	1558.2	1554.0	1547.7
20°	1560.3	1560.3	1518.2	1530.8	1522.4
22.5°	1535.0	1535.0	1490.8	1503.4	1495.0
25°	1505.6	1503.4	1459.2	1474.0	1463.5
27.5°	1474.0	1463.5	1427.6	1440.3	1431.8
30°	1438.2	1419.2	1393.9	1402.4	1393.9
32.5°	1400.2	1372.9	1358.1	1364.5	1356.0
35°	1358.1	1328.7	1320.3	1324.4	1316.0
37.5°	1316.0	1284.4	1276.0	1282.3	1273.9
40°	1269.7	1240.2	1231.8	1236.0	1227.6
42.5°	1219.2	1193.9	1185.5	1187.6	1181.2
45°	1164.4	1137.1	1137.1	1139.1	1130.7
47.5°	1105.4	1082.3	1084.4	1086.5	1080.2
50°	1038.1	1021.2	1031.8	1033.9	1023.3
52.5°	974.9	958.1	970.7	974.9	966.5
55°	901.2	888.6	909.6	909.6	905.4
57.5°	831.8	819.1	840.2	848.6	842.3
60°	760.1	747.5	768.5	783.3	777.0
62.5°	684.3	673.8	699.1	718.0	705.4
65°	608.5	600.1	625.4	633.8	330.6
67.5°	530.6	524.3	553.8	200.1	52.6
70°	450.6	444.3	461.2	50.5	50.5
72.5°	368.5	370.6	147.4	48.5	48.5
75°	292.7	294.8	42.1	46.3	46.3
77.5°	216.9	221.1	40.0	42.1	42.1
80°	147.4	107.4	35.8	35.8	35.8
82.5°	88.4	25.3	27.3	27.3	25.3
85°	37.9	18.9	18.9	16.8	16.8
87.5°	12.6	8.4	8.4	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)