

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-L935**

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-L935
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

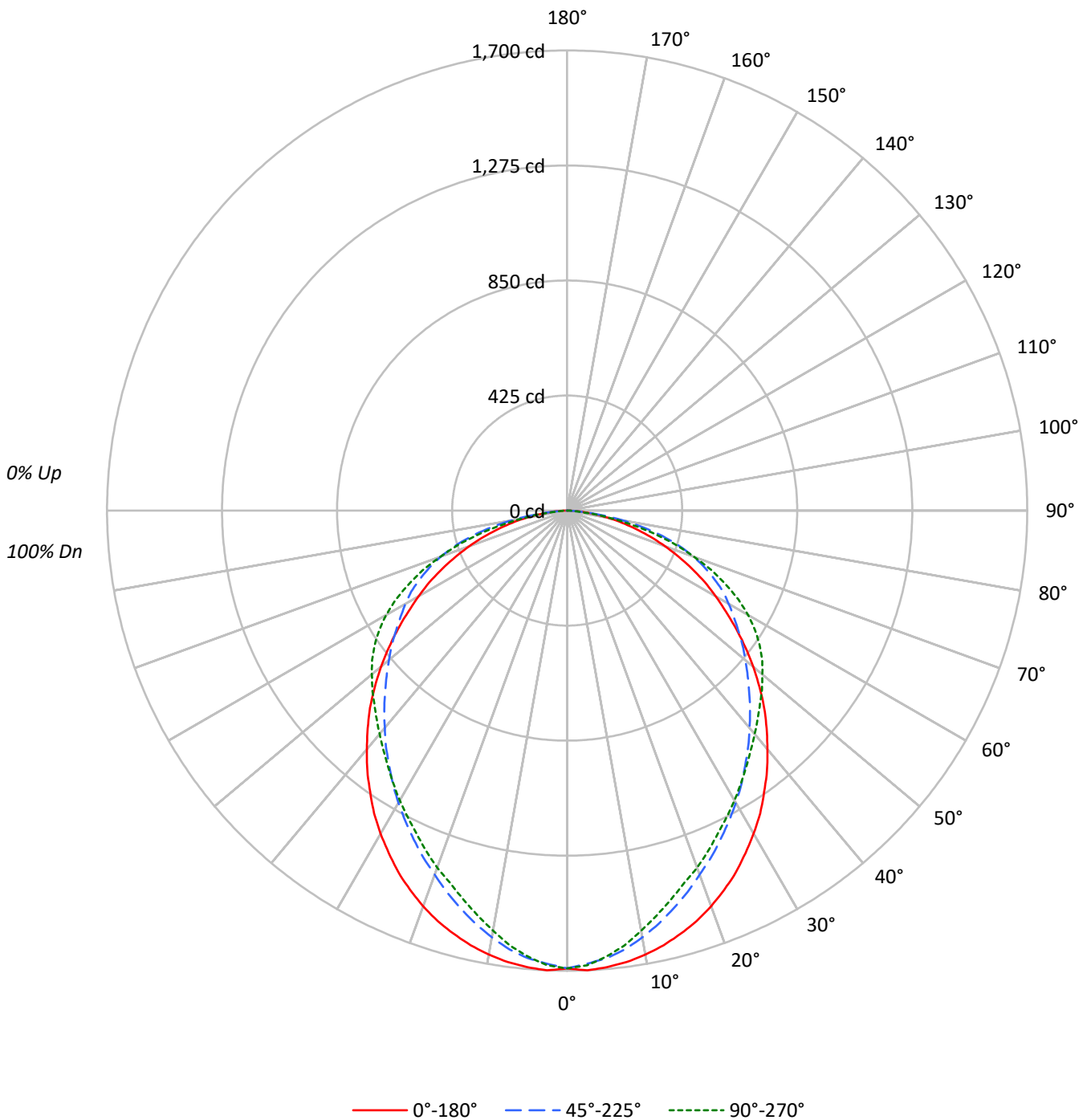
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4424.0 lumens
Efficiency: N/A
Efficacy: 234.1 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	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°	2275	2275	2275
5°	2286	2242	2234
10°	2276	2187	2153
15°	2255	2119	2070
20°	2227	2049	2010
25°	2190	1991	1954
30°	2141	1937	1922
35°	2085	1884	1895
40°	2022	1841	1893
45°	1959	1810	1918
50°	1879	1797	1971
55°	1790	1809	2038
60°	1705	1855	2079
65°	1622	1913	2060
70°	1516	1954	1958
75°	1360	1896	1755
80°	1191	1609	1303
85°	894	851	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	3.6
10°-20°	433.7	9.8
20°-30°	630.9	14.3
30°-40°	738.0	16.7
40°-50°	758.5	17.1
50°-60°	705.7	16.0
60°-70°	574.0	13.0
70°-80°	347.7	7.9
80°-90°	77.9	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°	1222.3	27.6
0°-40°	1960.2	44.3
0°-60°	3424.4	77.4
0°-90°	4424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1691	1691	1691	1691	1691	
5°	1693	1683	1660	1663	1654	161
15°	1619	1584	1521	1498	1486	457
25°	1475	1413	1341	1328	1316	679
35°	1269	1202	1147	1154	1154	794
45°	1030	963	951	993	1008	793
55°	763	721	771	850	869	683
65°	510	500	601	649	647	504
75°	262	311	365	349	338	280
85°	58	80	55	40	36	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1691.2	1691.2	1691.2	1691.2	1691.2
2.5°	1700.1	1692.3	1675.6	1685.1	1681.2
5°	1692.9	1682.8	1660.0	1663.3	1654.4
7.5°	1682.3	1667.8	1634.9	1628.3	1620.5
10°	1665.6	1644.4	1601.0	1590.4	1575.9
12.5°	1645.0	1617.7	1563.1	1544.2	1530.8
15°	1618.8	1584.3	1521.3	1498.5	1485.7
17.5°	1590.4	1547.5	1477.9	1454.5	1441.2
20°	1555.3	1506.3	1431.1	1411.6	1403.8
22.5°	1516.3	1460.1	1387.7	1370.4	1361.5
25°	1475.1	1412.8	1340.9	1327.6	1316.4
27.5°	1426.7	1363.2	1293.6	1284.1	1276.3
30°	1378.2	1313.1	1246.8	1240.1	1236.8
32.5°	1327.0	1256.3	1197.8	1196.7	1195.0
35°	1269.1	1201.7	1147.1	1154.4	1153.8
37.5°	1212.8	1143.8	1099.2	1112.1	1114.8
40°	1151.0	1083.7	1048.0	1069.7	1077.5
42.5°	1090.3	1025.7	1000.1	1029.6	1042.4
45°	1029.6	963.4	951.1	992.9	1007.9
47.5°	963.4	903.8	904.9	958.4	976.2
50°	897.7	842.0	858.7	921.0	941.7
52.5°	829.7	781.8	816.9	884.9	908.2
55°	762.9	721.1	771.3	849.8	868.7
57.5°	696.1	662.7	729.5	804.7	823.6
60°	633.7	604.8	689.4	757.9	772.4
62.5°	574.1	550.7	649.9	706.7	713.9
65°	509.5	500.1	600.9	648.7	647.1
67.5°	446.0	448.3	550.7	581.9	579.1
70°	385.3	403.2	496.7	509.5	497.8
72.5°	323.0	356.4	433.8	432.7	421.0
75°	261.7	311.3	364.7	348.6	337.5
77.5°	208.8	262.8	289.6	267.3	249.5
80°	153.7	210.5	207.7	182.7	168.2
82.5°	100.8	146.5	128.6	103.6	96.9
85°	57.9	79.6	55.1	40.1	35.6
87.5°	24.5	21.2	13.9	12.8	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)