

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: **6RSRK-TB-100-HE-L930**

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: 6RSRK-TB-100-HE-L930
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

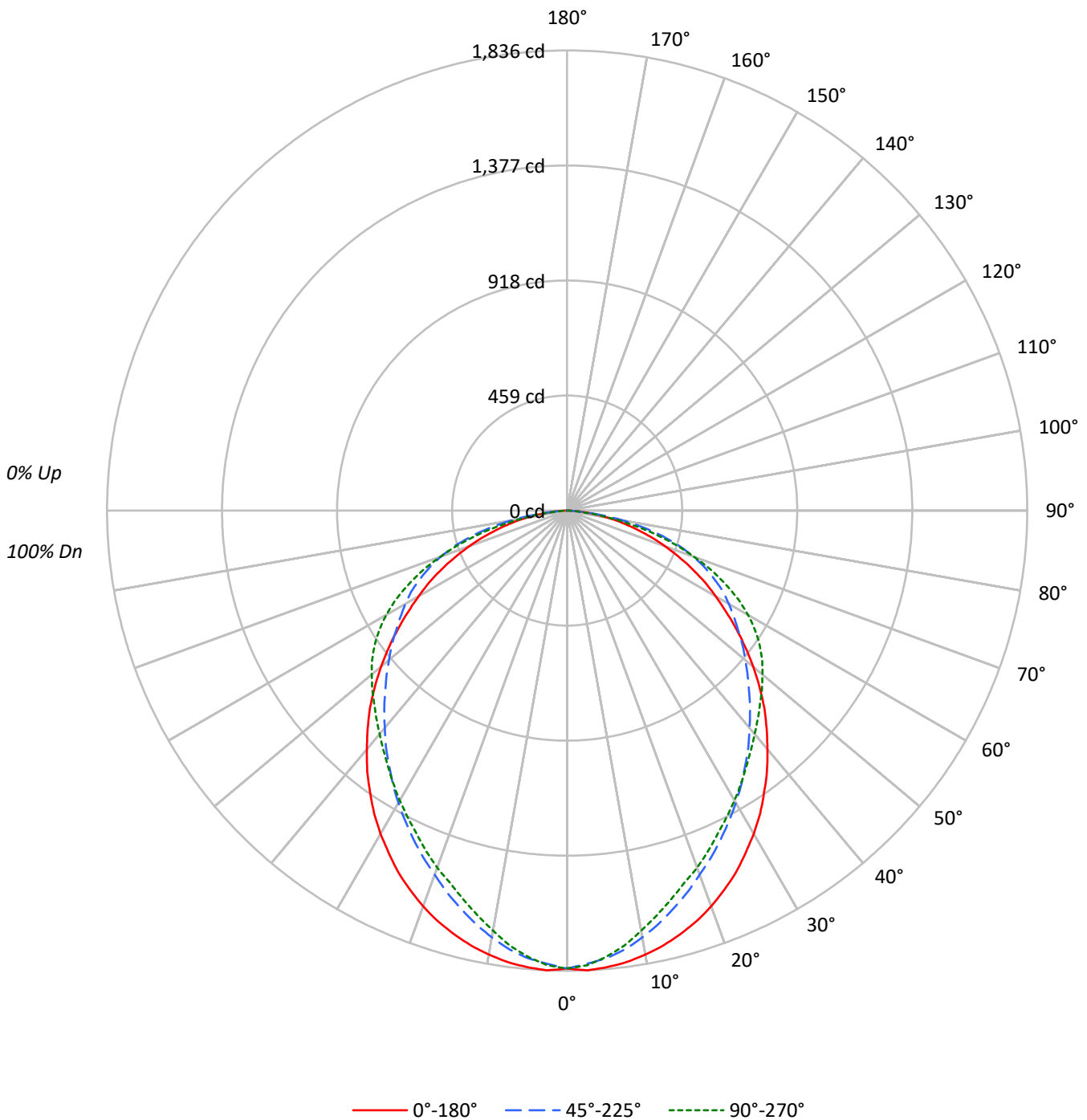
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4778.7 lumens
Efficiency: N/A
Efficacy: 165.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	3277	3277	3277
5°	3293	3229	3218
10°	3277	3150	3101
15°	3248	3052	2981
20°	3207	2951	2895
25°	3154	2867	2815
30°	3084	2790	2767
35°	3002	2714	2729
40°	2912	2651	2726
45°	2822	2607	2762
50°	2706	2589	2839
55°	2578	2606	2935
60°	2456	2672	2993
65°	2336	2755	2967
70°	2183	2814	2820
75°	1960	2731	2527
80°	1715	2318	1877
85°	1289	1225	792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	3.6
10°-20°	468.5	9.8
20°-30°	681.5	14.3
30°-40°	797.1	16.7
40°-50°	819.3	17.1
50°-60°	762.3	16.0
60°-70°	620.0	13.0
70°-80°	375.6	7.9
80°-90°	84.1	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°	1320.2	27.6
0°-40°	2117.3	44.3
0°-60°	3698.9	77.4
0°-90°	4778.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4778.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1827	1827	1827	1827	1827	
5°	1829	1818	1793	1797	1787	174
15°	1749	1711	1643	1619	1605	493
25°	1593	1526	1448	1434	1422	733
35°	1371	1298	1239	1247	1246	858
45°	1112	1041	1027	1072	1089	856
55°	824	779	833	918	938	738
65°	550	540	649	701	699	545
75°	283	336	394	376	364	303
85°	63	86	60	43	38	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1826.8	1826.8	1826.8	1826.8	1826.8
2.5°	1836.4	1828.0	1809.9	1820.1	1815.9
5°	1828.6	1817.7	1793.1	1796.7	1787.1
7.5°	1817.1	1801.5	1766.0	1758.8	1750.4
10°	1799.1	1776.2	1729.3	1717.9	1702.2
12.5°	1776.8	1747.4	1688.4	1668.0	1653.5
15°	1748.6	1711.3	1643.3	1618.6	1604.8
17.5°	1717.9	1671.6	1596.4	1571.1	1556.7
20°	1680.0	1627.1	1545.9	1524.8	1516.4
22.5°	1637.9	1577.1	1498.9	1480.3	1470.7
25°	1593.4	1526.0	1448.4	1434.0	1421.9
27.5°	1541.0	1472.5	1397.3	1387.1	1378.6
30°	1488.7	1418.3	1346.8	1339.5	1335.9
32.5°	1433.4	1357.0	1293.8	1292.6	1290.8
35°	1370.8	1298.0	1239.1	1246.9	1246.3
37.5°	1310.1	1235.5	1187.4	1201.2	1204.2
40°	1243.3	1170.5	1132.0	1155.5	1163.9
42.5°	1177.7	1108.0	1080.3	1112.2	1126.0
45°	1112.2	1040.6	1027.4	1072.5	1088.7
47.5°	1040.6	976.2	977.4	1035.2	1054.4
50°	969.6	909.5	927.5	994.9	1017.1
52.5°	896.2	844.5	882.4	955.8	981.0
55°	824.1	778.9	833.1	917.9	938.3
57.5°	751.9	715.8	788.0	869.2	889.6
60°	684.5	653.2	744.7	818.6	834.3
62.5°	620.1	594.9	701.9	763.3	771.1
65°	550.4	540.1	649.0	700.7	698.9
67.5°	481.8	484.2	594.9	628.6	625.6
70°	416.2	435.5	536.5	550.4	537.7
72.5°	348.9	385.0	468.6	467.4	454.7
75°	282.7	336.2	394.0	376.5	364.5
77.5°	225.6	283.9	312.8	288.7	269.5
80°	166.0	227.4	224.4	197.3	181.7
82.5°	108.9	158.2	138.9	111.9	104.7
85°	62.6	86.0	59.5	43.3	38.5
87.5°	26.5	22.9	15.0	13.8	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)