

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-100-HE-L950**

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-100-HE-L950
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

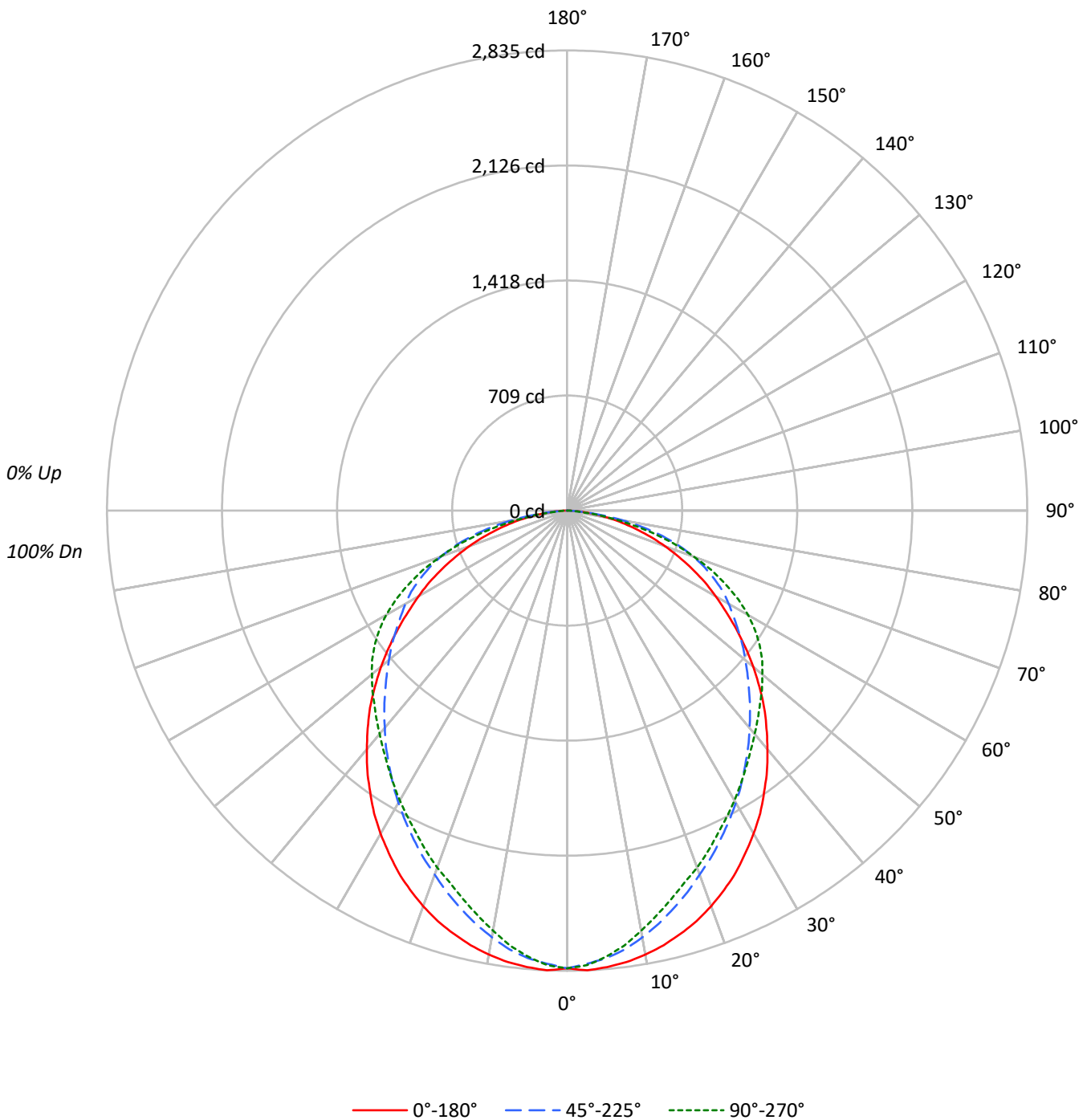
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7377.4 lumens
Efficiency: N/A
Efficacy: 256.2 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): 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°	3795	3795	3795
5°	3813	3739	3726
10°	3795	3647	3590
15°	3760	3534	3451
20°	3714	3417	3352
25°	3652	3320	3259
30°	3571	3230	3204
35°	3476	3142	3160
40°	3371	3070	3156
45°	3267	3018	3198
50°	3133	2997	3287
55°	2984	3017	3398
60°	2844	3094	3466
65°	2705	3190	3435
70°	2528	3258	3266
75°	2269	3162	2925
80°	1986	2684	2173
85°	1491	1419	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.9	3.6
10°-20°	723.2	9.8
20°-30°	1052.1	14.3
30°-40°	1230.6	16.7
40°-50°	1264.9	17.1
50°-60°	1176.8	16.0
60°-70°	957.2	13.0
70°-80°	579.8	7.9
80°-90°	129.9	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°	2038.2	27.6
0°-40°	3268.8	44.3
0°-60°	5710.5	77.4
0°-90°	7377.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7377.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2820	2820	2820	2820	2820	
5°	2823	2806	2768	2774	2759	268
15°	2700	2642	2537	2499	2478	761
25°	2460	2356	2236	2214	2195	1132
35°	2116	2004	1913	1925	1924	1324
45°	1717	1606	1586	1656	1681	1322
55°	1272	1202	1286	1417	1449	1139
65°	850	834	1002	1082	1079	841
75°	436	519	608	581	563	467
85°	97	133	92	67	59	118
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2820.2	2820.2	2820.2	2820.2	2820.2
2.5°	2835.0	2822.0	2794.2	2810.0	2803.5
5°	2823.0	2806.3	2768.2	2773.8	2758.9
7.5°	2805.3	2781.2	2726.4	2715.3	2702.3
10°	2777.5	2742.2	2669.7	2652.1	2628.0
12.5°	2743.1	2697.6	2606.6	2575.0	2552.7
15°	2699.5	2641.9	2537.0	2498.9	2477.5
17.5°	2652.1	2580.6	2464.5	2425.5	2403.2
20°	2593.6	2511.9	2386.5	2354.0	2341.0
22.5°	2528.6	2434.8	2314.1	2285.3	2270.4
25°	2459.9	2355.9	2236.1	2213.8	2195.2
27.5°	2379.1	2273.2	2157.2	2141.4	2128.4
30°	2298.3	2189.7	2079.2	2068.0	2062.4
32.5°	2212.9	2094.9	1997.4	1995.6	1992.8
35°	2116.3	2003.9	1912.9	1925.0	1924.1
37.5°	2022.5	1907.4	1833.1	1854.4	1859.1
40°	1919.4	1807.1	1747.6	1783.9	1796.9
42.5°	1818.2	1710.5	1667.8	1717.0	1738.4
45°	1717.0	1606.5	1586.1	1655.7	1680.8
47.5°	1606.5	1507.1	1509.0	1598.1	1627.9
50°	1496.9	1404.1	1431.9	1535.9	1570.3
52.5°	1383.6	1303.8	1362.3	1475.6	1514.6
55°	1272.2	1202.5	1286.1	1417.1	1448.6
57.5°	1160.8	1105.0	1216.5	1341.8	1373.4
60°	1056.8	1008.5	1149.6	1263.8	1288.0
62.5°	957.4	918.4	1083.7	1178.4	1190.5
65°	849.7	833.9	1002.0	1081.8	1079.0
67.5°	743.8	747.5	918.4	970.4	965.8
70°	642.6	672.3	828.3	849.7	830.2
72.5°	538.6	594.3	723.4	721.5	702.0
75°	436.4	519.1	608.2	581.3	562.7
77.5°	348.2	438.3	482.9	445.7	416.0
80°	256.3	351.0	346.4	304.6	280.4
82.5°	168.1	244.2	214.5	172.7	161.6
85°	96.6	132.8	91.9	66.9	59.4
87.5°	40.9	35.3	23.2	21.4	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)