

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: **4RSRK-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: 4RSRK-TB-100-HE-L950
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

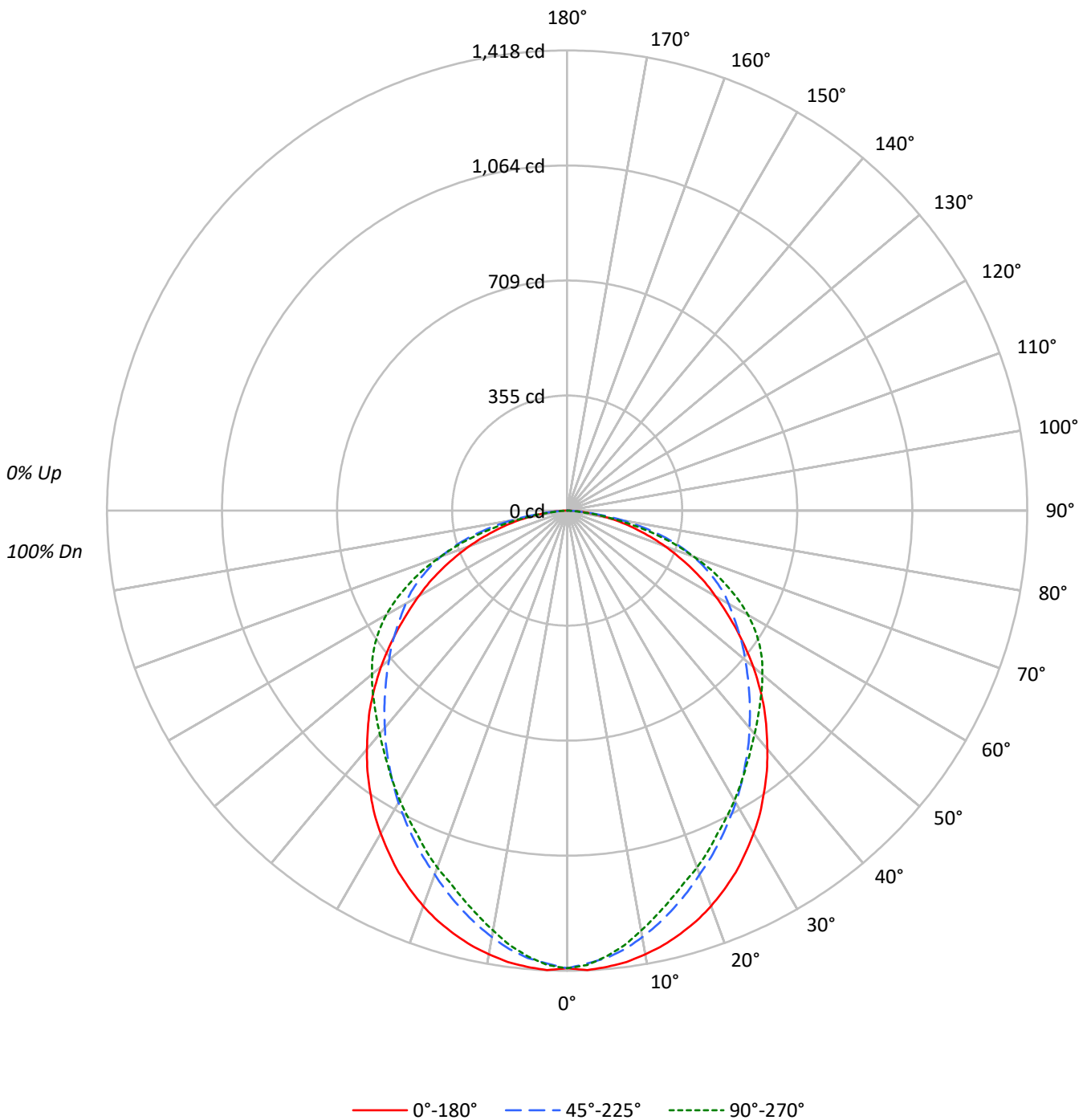
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3688.7 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' 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	3648	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°	3134	2997	3287
55°	2984	3017	3398
60°	2844	3094	3466
65°	2705	3190	3435
70°	2528	3259	3266
75°	2269	3162	2926
80°	1985	2684	2173
85°	1491	1420	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	3.6
10°-20°	361.6	9.8
20°-30°	526.1	14.3
30°-40°	615.3	16.7
40°-50°	632.5	17.1
50°-60°	588.4	16.0
60°-70°	478.6	13.0
70°-80°	289.9	7.9
80°-90°	64.9	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°	1019.1	27.6
0°-40°	1634.4	44.3
0°-60°	2855.2	77.4
0°-90°	3688.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3688.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1410	1410	1410	1410	1410	
5°	1412	1403	1384	1387	1379	134
15°	1350	1321	1268	1249	1239	381
25°	1230	1178	1118	1107	1098	566
35°	1058	1002	956	962	962	662
45°	858	803	793	828	840	661
55°	636	601	643	708	724	569
65°	425	417	501	541	540	421
75°	218	260	304	291	281	234
85°	48	66	46	33	30	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1410.1	1410.1	1410.1	1410.1	1410.1
2.5°	1417.5	1411.0	1397.1	1405.0	1401.7
5°	1411.5	1403.1	1384.1	1386.9	1379.4
7.5°	1402.7	1390.6	1363.2	1357.6	1351.1
10°	1388.7	1371.1	1334.9	1326.1	1314.0
12.5°	1371.6	1348.8	1303.3	1287.5	1276.4
15°	1349.7	1320.9	1268.5	1249.4	1238.8
17.5°	1326.1	1290.3	1232.3	1212.8	1201.6
20°	1296.8	1255.9	1193.3	1177.0	1170.5
22.5°	1264.3	1217.4	1157.0	1142.7	1135.2
25°	1229.9	1177.9	1118.0	1106.9	1097.6
27.5°	1189.5	1136.6	1078.6	1070.7	1064.2
30°	1149.2	1094.8	1039.6	1034.0	1031.2
32.5°	1106.4	1047.5	998.7	997.8	996.4
35°	1058.1	1002.0	956.5	962.5	962.0
37.5°	1011.3	953.7	916.5	927.2	929.5
40°	959.7	903.5	873.8	891.9	898.4
42.5°	909.1	855.2	833.9	858.5	869.2
45°	858.5	803.2	793.0	827.9	840.4
47.5°	803.2	753.6	754.5	799.1	813.9
50°	748.5	702.0	716.0	768.0	785.1
52.5°	691.8	651.9	681.1	737.8	757.3
55°	636.1	601.3	643.1	708.5	724.3
57.5°	580.4	552.5	608.2	670.9	686.7
60°	528.4	504.2	574.8	631.9	644.0
62.5°	478.7	459.2	541.8	589.2	595.2
65°	424.8	416.9	501.0	540.9	539.5
67.5°	371.9	373.8	459.2	485.2	482.9
70°	321.3	336.2	414.2	424.8	415.1
72.5°	269.3	297.2	361.7	360.8	351.0
75°	218.2	259.5	304.1	290.7	281.4
77.5°	174.1	219.2	241.4	222.9	208.0
80°	128.1	175.5	173.2	152.3	140.2
82.5°	84.0	122.1	107.3	86.4	80.8
85°	48.3	66.4	46.0	33.4	29.7
87.5°	20.4	17.6	11.6	10.7	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)